



TEXAS DEPARTMENT OF STATE HEALTH SERVICES

DAVID L. LAKEY, M.D.
COMMISSIONER

P.O. Box 149347
Austin, Texas 78714-9347
1-888-963-7111
TTY: 1-800-735-2989
www.dshs.state.tx.us

December 20, 2013

COUNTY OF HIDALGO
ATTN: HEALTH & SAFETY PERSONNEL
1902 JOE STEPHENS STE 101
WESLACO, TX 78596

Fee Payment Form & Instructions:

The Texas Tier Two Chemical Inventory Report for calendar year 2013 is due between January 1- March 1, 2014. The Texas Tier Two Program requires reports to be submitted electronically using the 2013 Tier2 Submit software. Once you have used the software to create your report, **Please e-mail your submission to:**

T2Sdatafiles@dshs.state.tx.us

****PLEASE REVIEW CHANGES TO TIER2 SUBMIT 2013 PAGE FOR NEW REPORTING REQUIREMENTS****

You will need to mail in your filing fee with this Fee Payment Form to the address given below. Please include your TXT2 number on the following items: the subject line of your email; the check/money order memo line; and the State Fields screen in the Tier2 Submit software.

For additional information, please contact DSHS staff as indicated below:

E-mail: tiertwohelp@dshs.state.tx.us

Phone: (512) 834-6603

Web: www.texastiertwo.com

Toll Free (TX only): (800) 452-2791

After you have submitted your Tier Two report, please take the short survey on our website at: <https://reglicensing.questionpro.com/>

If you have questions related to your fees, please use the fee calculators located on the left hand side of our website.

Please make your check payable to: Texas Department of State Health Services – ZZ109-180

TXT2 No.: 68687 Total: \$ 100.00 Check No.: _____ No. of facilities: 9

Owner/Operator: COUNTY OF HIDALGO

Submitter Name: Martin Ramirez

Contact Phone No.: 956-292-7000 ext 4082 or
956-318-2980

Mailing Address Change: Attn: Martin Ramirez
Environmental Compliance Office
2818 S. Bus. Hwy 281
Edinburg TX 78539

Cash Receipts – MC 2005
DSHS – Tier Two Chemical Reporting Program
PO Box 149347
Austin, TX 78714-9347

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 1

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 1

FACILITY IDENTIFICATION:

HIDALGO COUNTY PRECINCT 1
Dept: MECHANIC SHOP
1902 JOE STEPHENS, SUITE 101
WESLACO, TX 78596 USA
County: HIDALGO
Latitude: 26.177494
Longitude: -97.96873
MAILING ADDRESS: 1212 S. 25th Street, Suite B
Edinburg, TX 78542-7223 USA
Facility Phone: 956-472-3747

[] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 92111 (Executive Offices)
SIC: 9131 (EXEC & LEGIS OFFICES COMBINED)

Is the facility manned? [x] Manned [] Unmanned
Maximum No. of Occupants: 45

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [] Yes [x] No

CONTACT INFORMATION:

Ramirez, Martin
Title: Environmental Coordinator Contact Type 1: Regulatory Point of Contact Contact Type 3: Tier II Information Contact
Contact Type 4: Submitter
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: martin.ramirez@hchd.org

Moreno, Ricardo
Title: Shop Foreman Contact Type 1: Other Contact Type 2: Precinct Contact- Maintenance Shop
Address: 1902 Joe Stephens Ave., Weslaco, TX, 78596 USA
Phones: Mobile - Cell: 956-472-4156

Hidalgo County,
Title: Owner/Operator Contact Type 1: Owner / Operator
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: stormwater@hchd.org

Mata, Esteban
Title: Pct. 1 Safety Officer Contact Type 1: Other Contact Type 2: Precinct Contact- Safety

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 2

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 1

Address: MILE 11 NORTH & 1 1/2 WEST, Mercedes , TX, 78570 USA
Phones: Mobile - Cell: 956-532-8784
Email: Esteban.mata@co.hidalgo.tx.us

Sustaita, Arnulfo
Contact Type 1: Emergency Contact Contact Type 2: Other Contact Type 3: Precinct Contact
Address: Mile 11 and Mile 1 1/2 West , Mercedes, TX, 78570 USA
Phones: 24-hour: 956-472-3747 : 956-968-8733
Email: anulfo.sustaita@co.hidalgo.tx.us

CHEMICAL DESCRIPTIONS:

CHEM NAME: NATURAL GASOLINE

CAS: 86290-81-5

- Identical to previous year
 TRADE SECRET
 Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

- Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

- Below Reporting Thresholds
Max Amt: 12450 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Amt: 12450 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
Max quantity in largest container: 12450 pounds
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

- Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location:

SOUTHWEST SIDE OF MECHANIC SHOP Amount: 2000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

FACILITY STATE FIELDS:

Texas requests the following:

- Initial
 Updated
 Annual

TXT2 Number:: 68687

STATE / LOCAL FEES: \$50

- I have attached a site plan
 I have attached a list of site coordinate abbreviations
 I have attached a description of dikes and other safeguard measures

Facility Name: HIDALGO COUNTY PRECINCT 1

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3,
and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Martin Ramirez

02/28/2014

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

Date signed

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 1

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 2

FACILITY IDENTIFICATION:

HIDALGO COUNTY PRECINCT 2
Dept: MECHANIC SHOP
3001 EAST STATE
PHARR, TX 78577 USA
County: HIDALGO
Latitude: 26.195194
Longitude: -98.180316
MAILING ADDRESS: 1212 S. 25th Street, Suite B
Edinburg, TX 78542-7223 USA
Facility Phone: 956-369-0823

[] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 92111 (Executive Offices)
SIC: 9131 (EXEC & LEGIS OFFICES COMBINED)

Is the facility manned? [x] Manned [] Unmanned
Maximum No. of Occupants: 45

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [] Yes [x] No

CONTACT INFORMATION:

Ramirez, Martin
Title: Environmental Coordinator Contact Type 1: Regulatory Point of Contact Contact Type 3: Tier II Information Contact
Contact Type 4: Submitter
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: martin.ramirez@hchd.org

Cavazos, Roque
Title: Shop Foreman Contact Type 1: Other Contact Type 2: Shop Foreman
Address: 301 E. State Ave., Pharr, TX, 78577-3977

USA
Phones: 24-hour: 956-533-4601 Work: 956-787-1891

Hidalgo County,
Title: Owner/Operator Contact Type 1: Owner / Operator
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: stormwater@hchd.org

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 2

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 2

Cuellar, Ricardo
Title: Field Operations Director
Contact Type 1: Emergency Contact
Address: 301 E. State St., Pharr, TX, 78577 USA
Phones: Work: 956-787-1891 24-hour: 956-369-0823
Email: ricardo.cuellar@co.hidalgo.tx.us

CHEMICAL DESCRIPTIONS:

CHEM NAME: DIESEL FUEL

CAS: 68476-34-6

- Identical to previous year
- TRADE SECRET
- Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

- Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

- Below Reporting Thresholds
- Max Amt: 21912 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)
- Avg Amt: 21912 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
- Max quantity in largest container: 21912 pounds
- No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

- Confidential
- Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: EAST OF

MAINTENANCE SHOP Amount: 3000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: NATURAL GASOLINE

CAS: 86290-81-5

- Identical to previous year
- TRADE SECRET
- Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

- Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

- Below Reporting Thresholds
- Max Amt: 5810 pounds Max Daily Amt code: 05 (5,000 - 9,999 pounds)
- Avg Amt: 5810 pounds Avg Daily Amt code: 05 (5,000 - 9,999 pounds)
- Max quantity in largest container: 5810 pounds
- No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

- Confidential
- Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: EAST SIDE

OF MAIN OFFICE Amount: 1000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 3

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 2

FACILITY STATE FIELDS:

Texas requests the following:

Initial

Updated

Annual

TXT2 Number:: 68687

STATE / LOCAL FEES: \$50

I have attached a site plan

I have attached a list of site coordinate abbreviations

I have attached a description of dikes and other safeguard measures

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3,
and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Martin Ramirez

02/28/2014

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

Date signed

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 1

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 4

FACILITY IDENTIFICATION:

HIDALGO COUNTY PRECINCT 4
Dept: MECHANIC SHOP
1102 NORTH DOOLITTLE RD
EDINBURG, TX 78539 USA
County: HIDALGO
Latitude: 26.195194
Longitude: -98.180316
MAILING ADDRESS: 1212 S. 25th St., Suite B
EDINBURG, TX 78542-7223 USA
Facility Phone: 956-279-1068

[] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 92111 (Executive Offices)
SIC: 9131 (EXEC & LEGIS OFFICES COMBINED)

Is the facility manned? [x] Manned [] Unmanned
Maximum No. of Occupants: 15

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [] Yes [x] No

CONTACT INFORMATION:

Ramirez, Martin
Title: Environmental Coordinator Contact Type 1: Regulatory Point of Contact Contact Type 3: Tier II Information Contact
Contact Type 4: Submitter
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: martin.ramirez@hchcd.org

Segovia, Joe
Title: Safety Officer Contact Type 1: Emergency Contact Contact Type 2: Other Contact Type 3: Precinct Contact- Safety Officer
Address: 1051 N. Doolittle Rd.
, Edinburg, TX, 78539 USA
Phones: 24-hour: 956-279-1068 Work: 956-383-3112
Email: jose.segovia@co.hidalgo.tx.us

Hidalgo County,
Title: Owner/Operator Contact Type 1: Owner / Operator
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: stormwater@hchcd.org

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 2

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 4

Perez, Carlos

Title: Risk Mgr. Contact Type 1: Other Contact Type 2: Fuel Supplier Risk Mgr.

Address: 4506 Highway 359, Laredo, TX, 78042 USA

Phones: Work: 956-722-5251

Email: carlos.perez@argpetro.com

Arguindegui Oil Co. II LTD.,

Title: Owner Contact Type 1: Owner / Operator

Address: 4506 State Highway 359, Laredo, TX, 78042 USA

Phones: Work: 956-722-5251

Email: carlos.perez@argpetro.com

CHEMICAL DESCRIPTIONS:

CHEM NAME: DIESEL FUEL

CAS: 68476-34-6

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

CHEMICAL COMPONENTS:

EHS, CAS: , Component: , % , Max Amt code:

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Below Reporting Thresholds

Max Amt: 146080 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 146080 pounds Avg Daily Amt code: 10 (100,000 - 499,999 pounds)

Max quantity in largest container: 43824 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: SOUTHSIDE
OF YARD Amount: 6000 gallons

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: SOUTHSIDE
OF YARD Amount: 6000 gallons

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: CENTER OF
YARD Amount: 4000 gallons

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: CENTER OF
YARD Amount: 4000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: NATURAL GASOLINE

CAS: 86290-81-5

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 3

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 4

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)
INVENTORY:

Below Reporting Thresholds
Max Amt: 12450 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Amt: 12450 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
Max quantity in largest container: 12450 pounds
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: EAST SIDE
OF MECHANIC SHOP Amount: 2000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: PETROLEUM ASPHALT (SS-1 & CRS-2)

CAS: 8052-42-4

Identical to previous year
 TRADE SECRET
 Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)
INVENTORY:

Below Reporting Thresholds
Max Amt: 41915 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)
Avg Amt: 41915 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)
Max quantity in largest container: 41915 pounds
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:
EAST SIDE OF MECHANIC SHOP Amount: 5000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

FACILITY STATE FIELDS:

Texas requests the following:

Initial
 Updated
 Annual

TXT2 Number:: 68687

STATE / LOCAL FEES: \$50.00

I have attached a site plan
 I have attached a list of site coordinate abbreviations
 I have attached a description of dikes and other safeguard measures

NOTES: Arguindegui Oil Co., II LTD owns the 2,000 gallon tank holding gasoline and the two 6,000 gallon tanks holding diesel at the Pct. 4 Mechanic's Shop Site. Hidalgo County is allowed to use these tanks as part of the fuel supply contract with Arguindegui Oil.

Facility Name: HIDALGO COUNTY PRECINCT 4

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 4,
and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Martin Ramirez

02/28/2014

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

Date signed

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 1

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY SHERIFF'S OFFICE

FACILITY IDENTIFICATION:

HIDALGO COUNTY SHERIFF'S OFFICE
Dept: SHERIFF'S OFFICE
711 EAST EL CIBOLO RD.
EDINBURG, TX 78557 USA
County: HIDALGO
Latitude: 26.195194
Longitude: -98.180316
MAILING ADDRESS: 1212 S. 25th St., Suite B
Edinburg, TX 78542-7223 USA
Facility Phone: 956-383-8114

[] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 92111 (Executive Offices)
SIC: 9131 (EXEC & LEGIS OFFICES COMBINED)

Is the facility manned? [x] Manned [] Unmanned
Maximum No. of Occupants: 120

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [] Yes [x] No

CONTACT INFORMATION:

OZUNA, RICHARD
Title: Captain Contact Type 1: Emergency Contact
Address: 711 EAST EL CIBOLO RD. , EDINBURG, TX, 78557 USA
Phones: Mobile - Cell: 956-457-4236 24-hour: 956-383-8114
Email: richard.ozuna@hidalgo.org

Ramirez, Martin
Title: Environmental Coordinator Contact Type 1: Regulatory Point of Contact Contact Type 3: Tier II Information Contact
Contact Type 4: Submitter
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: martin.ramirez@hchd.org

Hidalgo County,
Title: Owner/Operator Contact Type 1: Owner / Operator
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: stormwater@hchd.org

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 2

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY SHERIFF'S OFFICE

CHEMICAL DESCRIPTIONS:

CHEM NAME: DIESEL FUEL

CAS: 68476-34-6

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Below Reporting Thresholds

Max Amt: 58432 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)

Avg Amt: 58432 pounds Avg Daily Amt code: 08 (50,000 - 74,999 pounds)

Max quantity in largest container: 29216 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential

Container Type: Above ground tank	Pressure: Ambient pressure	Temp: Ambient temperature	Location: EASTSIDE
OF JAIL Amount: 2400 gallons			
Container Type: Above ground tank	Pressure: Ambient pressure	Temp: Ambient temperature	Location: EASTSDIE
OF JAIL Amount: 2400 gallons			
Container Type: Above ground tank	Pressure: Ambient pressure	Temp: Ambient temperature	Location: NORTHEAST
OF ADMINISTRATIVE OFFICE Amount: 1000 gallons			
Container Type: Above ground tank	Pressure: Ambient pressure	Temp: Ambient temperature	Location: SOUTHSIDE
OF ACADEMY Amount: 600 gallons			
Container Type: Above ground tank	Pressure: Ambient pressure	Temp: Ambient temperature	Location: NORTHSIDE
OF MAINTENANCE SHOP Amount: 150 gallons			
Container Type: Below ground tank	Pressure: Ambient pressure	Temp: Ambient temperature	Location: SOUTHSIDE
OF MAINTENANCE SHOP Amount: 4000 gallons			

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: NATURAL GASOLINE

CAS: 86290-81-5

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Below Reporting Thresholds

Max Amt: 124500 pounds Max Daily Amt code: 10 (100,000 - 499,999 pounds)

Avg Amt: 124500 pounds Avg Daily Amt code: 10 (100,000 - 499,999 pounds)

Max quantity in largest container: 124500 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential

Container Type: Below ground tank	Pressure: Ambient pressure	Temp: Ambient temperature	Location: SOUTH SIDE
OF MOTOR POOL Amount: 20000 gallons			

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 3

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY SHERIFF'S OFFICE

FACILITY STATE FIELDS:

Texas requests the following:

- Initial
 Updated
 Annual

TXT2 Number:: 68687

STATE / LOCAL FEES: \$50.00

- I have attached a site plan
 I have attached a list of site coordinate abbreviations
 I have attached a description of dikes and other safeguard measures

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3,
and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Martin Ramirez

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

02/27/2014

Date signed

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 1

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 1

FACILITY IDENTIFICATION:

HIDALGO COUNTY PRECINCT 1
Dept: SUNRISE HILL- SANITATION
MILE 11 NORTH & 1 1/2 WEST
MERCEDES, TX 78570 USA
County: HIDALGO
Latitude: 26.177494
Longitude: -97.96873
MAILING ADDRESS: 1902 JOE STEPHENS SUITE 101
WESLACO, TX 78596 USA
Facility Phone: 956-472-3747

[] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 92111 (Executive Offices)
SIC: 9131 (EXEC & LEGIS OFFICES COMBINED)

Is the facility manned? [x] Manned [] Unmanned
Maximum No. of Occupants: 87

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [] Yes [x] No

CONTACT INFORMATION:

Ramirez, Martin
Title: Environmental Coordinator Contact Type 1: Regulatory Point of Contact Contact Type 3: Tier II Information Contact
Contact Type 4: Submitter
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: martin.ramirez@hchd.org

Flores, Juan
Title: Materials Manager Contact Type 1: Other Contact Type 2: Precinct Contact- Sunrise Hill
Address: 1902 Joe Stephens, Suite 101, Weslaco, TX, 78596 USA
Phones: Mobile - Cell: 956-212-4242

Hidalgo County,
Title: Owner/Operator Contact Type 1: Owner / Operator
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: stormwater@hchd.org

Perez, Carlos
Title: Risk Mgr. Contact Type 1: Other Contact Type 2: Fuel Supplier Risk Mgr.

Facility Name: HIDALGO COUNTY PRECINCT 1

Address: 4506 Highway 359, Laredo, TX, 78042 USA
Phones: Work: 956-722-5251
Email: carlos.perez@argpetro.com

Arguindegui Oil Co. II LTD.,
Title: Owner Contact Type 1: Owner / Operator
Address: 4506 State Highway 359, Laredo, TX, 78042 USA
Phones: Work: 956-722-5251
Email: carlos.perez@argpetro.com

Mata, Esteban
Title: Pct. 1 Safety Officer Contact Type 1: Other Contact Type 2: Precinct Contact- Safety
Address: MILE 11 NORTH & 1 1/2 WEST, Mercedes , TX, 78570 USA
Phones: Mobile - Cell: 956-532-8784
Email: Esteban.mata@co.hidalgo.tx.us

Sustaita, Arnulfo
Contact Type 1: Emergency Contact Contact Type 2: Other Contact Type 3: Precinct Contact
Address: Mile 11 and Mile 1 1/2 West , Mercedes, TX, 78570 USA
Phones: 24-hour: 956-472-3747 : 956-968-8733
Email: anulfo.sustaita@co.hidalgo.tx.us

CHEMICAL DESCRIPTIONS:

CHEM NAME: DIESEL FUEL

CAS: 68476-34-6

- Identical to previous year
 TRADE SECRET
 Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

- Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

- Below Reporting Thresholds
Max Amt: 29216 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)
Avg Amt: 29216 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)
Max quantity in largest container: 14608 pounds
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

- Confidential
- | | | | |
|-----------------------------------|----------------------------|---------------------------|-----------|
| Container Type: Above ground tank | Pressure: Ambient pressure | Temp: Ambient temperature | Location: |
| NORTHWEST OF MAIN OFFICE | Amount: 1000 gallons | | |
| Container Type: Above ground tank | Pressure: Ambient pressure | Temp: Ambient temperature | Location: |
| NORTHWEST OF MAIN OFFICE | Amount: 1000 gallons | | |
| Container Type: Above ground tank | Pressure: Ambient pressure | Temp: Ambient temperature | Location: |
| NORTHWEST OF MAIN OFFICE | Amount: 2000 gallons | | |

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: PETROLEUM ASPHALT (SS-1 & CRS-2)

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 3

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 1

CAS: 8052-42-4

- Identical to previous year
- TRADE SECRET
- Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

- Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

- Below Reporting Thresholds
- Max Amt: 83830 pounds Max Daily Amt code: 09 (75,000 - 99,999 pounds)
- Avg Amt: 83830 pounds Avg Daily Amt code: 09 (75,000 - 99,999 pounds)
- Max quantity in largest container: 41915 pounds
- No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

- Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:

NORTH SIDE OF MAIN OFFICE Amount: 5000 gallons

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:

NORTH SIDE OF MAIN OFFICE Amount: 5000 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

FACILITY STATE FIELDS:

Texas requests the following:

- Initial
- Updated
- Annual

TXT2 Number:: 68687

STATE / LOCAL FEES: \$50

- I have attached a site plan
- I have attached a list of site coordinate abbreviations
- I have attached a description of dikes and other safeguard measures

NOTES: Arguindegui Oil Co., II LTD owns the 2,000 gallon tank holding diesel at the Pct. 1 Sunrise Hill Sanitation Site. Hidalgo County is allowed to use it as part of the fuel supply contract with Arguindegui Oil.

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Martin Ramirez

02/28/2014

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

Date signed

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 1

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 3

FACILITY IDENTIFICATION:

HIDALGO COUNTY PRECINCT 3
Dept: ROAD AND BRIDGE
NORTH SIDE OF FM 2221 E. OF IOWA RD.
LA JOYA, TX 78572 USA
County: HIDALGO
Latitude: 26.195194
Longitude: -98.180316
MAILING ADDRESS: 1212 S. 25th St., Suite B
Edinburg, TX 78542-7223 USA
Facility Phone: 956-313-8124

[] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 92111 (Executive Offices)
SIC: 9131 (EXEC & LEGIS OFFICES COMBINED)

Is the facility manned? [x] Manned [] Unmanned
Maximum No. of Occupants: 60

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [] Yes [x] No

CONTACT INFORMATION:

Ramirez, Martin
Title: Environmental Coordinator Contact Type 1: Regulatory Point of Contact Contact Type 3: Tier II Information Contact
Contact Type 4: Submitter
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: martin.ramirez@hchcd.org

Ramirez, Saul
Title: Rd. & Bridge Manager Contact Type 1: Emergency Contact Contact Type 2: Other Contact Type 3: Rd. & Bridge
Manager
Address: 724 N. Breyfogle, Mission, TX, 78574 USA
Phones: 24-hour: 956-313-8124 : 956-585-4509
Email: saul.ramirez@co.hidalgo.tx.us

Hidalgo County,
Title: Owner/Operator Contact Type 1: Owner / Operator
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: stormwater@hchcd.org

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 2

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 3

Perez, Carlos
Title: Risk Mgr. Contact Type 1: Other Contact Type 2: Fuel Supplier Risk Mgr.
Address: 4506 Highway 359, Laredo, TX, 78042 USA
Phones: Work: 956-722-5251
Email: carlos.perez@argpetro.com

Arguindegui Oil Co. II LTD.,
Title: Owner Contact Type 1: Owner / Operator
Address: 4506 State Highway 359, Laredo, TX, 78042 USA
Phones: Work: 956-722-5251
Email: carlos.perez@argpetro.com

CHEMICAL DESCRIPTIONS:

CHEM NAME: DIESEL FUEL

CAS: 68476-34-6

Identical to previous year
 TRADE SECRET
 Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Below Reporting Thresholds
Max Amt: 29216 pounds Max Daily Amt code: 07 (25,000 - 49,999 pounds)
Avg Amt: 29216 pounds Avg Daily Amt code: 07 (25,000 - 49,999 pounds)
Max quantity in largest container: 29216 pounds
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: NORTH

EAST CORNER OF MAIN OFFICE Amount: 4000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: NATURAL GASOLINE

CAS: 86290-81-5

Identical to previous year
 TRADE SECRET
 Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Below Reporting Thresholds
Max Amt: 12450 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Amt: 12450 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
Max quantity in largest container: 12450 pounds
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 3

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 3

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: NORTH
EAST CORNER OF MAIN OFFICE Amount: 2000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: PETROLEUM ASPHALT (SS-1 & CRS-2)

CAS: 8052-42-4

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Below Reporting Thresholds

Max Amt: 67064 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)

Avg Amt: 67064 pounds Avg Daily Amt code: 08 (50,000 - 74,999 pounds)

Max quantity in largest container: 33532 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:
NORTHEAST SIDE OF MAIN OFFICE Amount: 4000 gallons

Container Type: Above ground tank Pressure: Ambient pressure Temp: Greater than ambient temperature Location:
NORTHEAST SIDE OF MAIN OFFICE Amount: 4000 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

FACILITY STATE FIELDS:

Texas requests the following:

Initial

Updated

Annual

TXT2 Number:: 68687

STATE / LOCAL FEES: \$50

I have attached a site plan

I have attached a list of site coordinate abbreviations

I have attached a description of dikes and other safeguard measures

NOTES: Arguindegui Oil Co., II LTD owns the 2,000 gallon tank holding gasoline and the 4,000 gallon tank holding diesel at the Pct. 3 Road and Bridge Shop Site. Hidalgo County is allowed to use these tanks as part of the fuel supply contract with Arguindegui Oil.

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Martin Ramirez

02/28/2014

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

Date signed

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 1

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 3

FACILITY IDENTIFICATION:

HIDALGO COUNTY PRECINCT 3
Dept: PENITAS LANDFILL
0.5 MILE W OF FM 1427 ON MILITARY HIGHWAY
PENITAS, TX 78576 USA
County: Hidalgo
Latitude: 26.195194
Longitude: -98.180316
MAILING ADDRESS: 724 NORTH BREYFOGLE
MISSION, TX 78574 USA
Facility Phone: 956-313-8124

[] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 92111 (Executive Offices)
SIC: 9131 (EXEC & LEGIS OFFICES COMBINED)

Is the facility manned? [x] Manned [] Unmanned
Maximum No. of Occupants: 25

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [] Yes [x] No

CONTACT INFORMATION:

Ramirez, Martin
Title: Environmental Coordinator Contact Type 1: Regulatory Point of Contact Contact Type 3: Tier II Information Contact
Contact Type 4: Submitter
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: martin.ramirez@hchd.org

Ocanas, George
Title: Landfill Mgr Contact Type 1: Other Contact Type 2: Precinct Contact- Landfill
Address: 724 N. Breyfogle, Mission, TX, 78577 USA
Phones: Mobile - Cell: 956-639-9245

Hidalgo County,
Title: Owner/Operator Contact Type 1: Owner / Operator
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: stormwater@hchd.org

Ramirez, Saul
Title: Rd. & Bridge Manager Contact Type 1: Emergency Contact Contact Type 2: Other Contact Type 3: Rd. & Bridge

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 2

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 3

Manager

Address: 724 N. Breyfogle, Mission, TX, 78574 USA

Phones: 24-hour: 956-313-8124 : 956-585-4509

Email: saul.ramirez@co.hidalgo.tx.us

CHEMICAL DESCRIPTIONS:

CHEM NAME: DIESEL FUEL

CAS: 68476-34-6

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Below Reporting Thresholds

Max Amt: 14608 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)

Avg Amt: 14608 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)

Max quantity in largest container: 7304 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: NEXT TO

ENTRANCE SOUTH OF OFFICE Amount: 1000 gallons

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: NEXT TO

ENTRANCE SOUTH OF OFFICE Amount: 1000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

FACILITY STATE FIELDS:

Texas requests the following:

Initial

Updated

Annual

TXT2 Number:: 68687

STATE / LOCAL FEES: None.

I have attached a site plan

I have attached a list of site coordinate abbreviations

I have attached a description of dikes and other safeguard measures

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 2, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Martin Ramirez

02/28/2014

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

Date signed

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 1

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 3

FACILITY IDENTIFICATION:

HIDALGO COUNTY PRECINCT 3
Dept: DRAINAGE DEPARTMENT
2800 W. FM 2221
MISSION, TX 78574 USA
County: Hidalgo
Latitude: 26.195194
Longitude: -98.180316
MAILING ADDRESS: 1212 S. 25th St., Suite B
Edinburg, TX 78542-7223 USA

[] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 92111 (Executive Offices)
SIC: 9131 (EXEC & LEGIS OFFICES COMBINED)

Is the facility manned? [x] Manned [] Unmanned
Maximum No. of Occupants: 11

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [] Yes [x] No

CONTACT INFORMATION:

Ramirez, Martin

Title: Environmental Coordinator Contact Type 1: Regulatory Point of Contact Contact Type 3: Tier II Information Contact

Contact Type 4: Submitter

Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA

Phones: Work: 956-292-7000 ext 4082

Email: martin.ramirez@hchd.org

Henry, David

Title: Drainage Mgr. Contact Type 1: Other Contact Type 2: Precinct Contact- Drainage

Address: 724 N. Breyfogle, Mission, TX, 78574 USA

Phones: Mobile - Cell: 956-279-6903

Hidalgo County,

Title: Owner/Operator Contact Type 1: Owner / Operator

Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA

Phones: Work: 956-292-7000 ext 4082

Email: stormwater@hchd.org

Ramirez, Saul

Title: Rd. & Bridge Manager Contact Type 1: Emergency Contact Contact Type 2: Other Contact Type 3: Rd. & Bridge

Manager

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 2

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 3

Address: 724 N. Breyfogle, Mission, TX, 78574 USA
Phones: 24-hour: 956-313-8124 : 956-585-4509
Email: saul.ramirez@co.hidalgo.tx.us

CHEMICAL DESCRIPTIONS:

CHEM NAME: DIESEL FUEL

CAS: 68476-34-6

- Identical to previous year
 TRADE SECRET
 Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

- Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

- Below Reporting Thresholds
Max Amt: 14608 pounds Max Daily Amt code: 06 (10,000 - 24,999 pounds)
Avg Amt: 14608 pounds Avg Daily Amt code: 06 (10,000 - 24,999 pounds)
Max quantity in largest container: 7304 pounds
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

- Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: EASTSIDE
OF YARD Amount: 1000 gallons
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: EASTSIDE
OF YARD Amount: 1000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: GASOLINE

CAS: 86290-81-5

- Identical to previous year
 TRADE SECRET
 Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

- Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

- Below Reporting Thresholds
Max Amt: 6225 pounds Max Daily Amt code: 05 (5,000 - 9,999 pounds)
Avg Amt: 6225 pounds Avg Daily Amt code: 05 (5,000 - 9,999 pounds)
Max quantity in largest container: 6225 pounds
No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

- Confidential
Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: EASTSIDE
OF YARD Amount: 1000 gallons
CHEMICALS IN INVENTORY STATE FIELDS:
No additional chemical information is required by Texas

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 3

Printed: February 28, 2014

Facility Name: HIDALGO COUNTY PRECINCT 3

FACILITY STATE FIELDS:

Texas requests the following:

Initial

Updated

Annual

TXT2 Number:: 68687

STATE / LOCAL FEES: None.

I have attached a site plan

I have attached a list of site coordinate abbreviations

I have attached a description of dikes and other safeguard measures

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3,
and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Martin Ramirez

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

02/28/2014

Date signed

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 1

Printed: February 28, 2014

Facility Name: Hidalgo County Sheriff's Department Substation

FACILITY IDENTIFICATION:

Hidalgo County Sheriff's Department Substation
Dept: Hidalgo County Sheriff's Department
3003 E. Mile 11 North Road
Weslaco, TX 78596 USA
County: Hidalgo
Latitude: 26.214141
Longitude: 97.962529
Facility Phone: 956-973-7880

[] All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 92111 (All Other General Government)
SIC: 9131 (EXEC & LEGIS OFFICES COMBINED)

Is the facility manned? [x] Manned [] Unmanned
Maximum No. of Occupants: 25

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? [] Yes [x] No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? [] Yes [x] No

CONTACT INFORMATION:

OZUNA, RICHARD

Title: Captain Contact Type 1: Emergency Contact
Address: 711 EAST EL CIBOLO RD. , EDINBURG, TX, 78557 USA
Phones: Mobile - Cell: 956-457-4236 24-hour: 956-383-8114
Email: richard.ozuna@hidalgo.org

Lopez, Genaro

Title: Captain Contact Type 1: Emergency Contact Contact Type 2: Commanding Officer
Address: 3003 E. Mile 11 North Road, Weslaco, TX, 78596 USA
Phones: Work: 956-292-7000 ext 7536 Mobile - Cell: 956-289-0448 24-hour: 956-973-7880
Email: genaro.lopez@hidalgo.org

Ramirez, Martin

Title: Environmental Coordinator Contact Type 1: Regulatory Point of Contact Contact Type 3: Tier II Information Contact
Contact Type 4: Submitter
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA
Phones: Work: 956-292-7000 ext 4082
Email: martin.ramirez@hchd.org

Hidalgo County,

Title: Owner/Operator Contact Type 1: Owner / Operator
Address: 1212 S. 25th St., Suite B, Edinburg, TX, 78542-7223 USA

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 2

Printed: February 28, 2014

Facility Name: Hidalgo County Sheriff's Department Substation

Phones: Work: 956-292-7000 ext 4082

Email: stormwater@hchd.org

CHEMICAL DESCRIPTIONS:

CHEM NAME: Diesel Fuel

CAS: 68476-34-6

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Below Reporting Thresholds

Max Amt: 7304 pounds Max Daily Amt code: 05 (5,000 - 9,999 pounds)

Avg Amt: 7304 pounds Avg Daily Amt code: 05 (5,000 - 9,999 pounds)

Max quantity in largest container: 7304 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Northwest corner of property. Amount: 1000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

CHEM NAME: Unleaded Gasoline

CAS: 86290-81-5

Identical to previous year

TRADE SECRET

Pure Mix Solid Liquid Gas EHS

PHYSICAL & HEALTH HAZARDS:

Fire Sudden Release of Pressure Reactivity Immediate (acute) Delayed (chronic)

INVENTORY:

Below Reporting Thresholds

Max Amt: 62250 pounds Max Daily Amt code: 08 (50,000 - 74,999 pounds)

Avg Amt: 62250 pounds Avg Daily Amt code: 08 (50,000 - 74,999 pounds)

Max quantity in largest container: 62250 pounds

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Confidential

Container Type: Above ground tank Pressure: Ambient pressure Temp: Ambient temperature Location: Northwest corner of property. Amount: 10000 gallons

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Texas

FACILITY STATE FIELDS:

Texas requests the following:

Initial

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2013

Page 3

Printed: February 28, 2014

Facility Name: Hidalgo County Sheriff's Department Substation

Updated

Annual

TXT2 Number:: 68687

STATE / LOCAL FEES: None.

I have attached a site plan

I have attached a list of site coordinate abbreviations

I have attached a description of dikes and other safeguard measures

NOTES: This is a sheriff's department facility that is manned 24 hours a day.

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 3,
and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Martin Ramirez

2/28/2014

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

Date signed



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name UNLEADED GASOLINE
Version # 01
Revision date 10-23-2010
MSDS Number 002
Product use Motor fuels.
Synonym(s) Regular/Premium/Midgrade - Unleaded Gasoline, RFG - Reformulated Unleaded Gasoline, Conventional Unleaded Gasoline, Oxygenated Unleaded Gasoline, Non-Oxygenated Unleaded Gasoline, CARB (California Air Resource Board) Unleaded Gasoline, RBOB - Reformulated Blendstock for Oxygenate Blending, CBOB - Conventional Blendstock for Oxygenate Blending, Petrol, Motor Fuel.
See section 16 for complete information.

Manufacturer information Valero Marketing & Supply Company and Affiliates
P.O. Box 696000
San Antonio, TX 78269-6000
General Assistance 210-345-4593
24 Hour Emergency 866-565-5220
1-800-424-9300 (CHEMTREC USA)

2. Hazards Identification

Physical state Liquid.
Appearance Light straw to red clear liquid with characteristic strong odor of gasoline.
Emergency overview DANGER!
Extremely flammable liquid and vapor - vapor may cause flash fire. Will be easily ignited by heat, spark or flames. Heat may cause the containers to explode.

Harmful if inhaled, absorbed through skin, or swallowed. Aspiration may cause lung damage. Irritating to eyes, respiratory system and skin. In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Contains benzene. Cancer hazard - can cause cancer. Mutagen. May cause heritable genetic damage. May cause adverse reproductive effects - such as birth defects, miscarriages, or infertility. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.

Eyes Contact may irritate or burn eyes. Eye contact may result in corneal injury.

Skin Harmful if absorbed through skin. Irritating to skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Inhalation Harmful if inhaled. Irritating to respiratory system. In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. May cause breathing disorders and lung damage. May cause cancer by inhalation. Prolonged inhalation may be harmful.

Ingestion Harmful if swallowed. Ingestion may result in vomiting; aspiration (breathing) of vomitus into lungs must be avoided as even small quantities may result in aspiration pneumonitis. Irritating to mouth, throat, and stomach.

Target organs Blood. Eyes. Liver. Respiratory system. Skin. Kidneys. Central nervous system.

Chronic effects Cancer hazard. Contains material which may have reproductive toxicity, teratogenic or mutagenic effects. Liver injury may occur. Kidney injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Signs and symptoms Irritation of nose and throat. Irritation of eyes and mucous membranes. Skin irritation. Unconsciousness. Corneal damage. Narcosis. Cyanosis (blue tissue condition, nails, lips, and/or skin). Decrease in motor functions. Behavioral changes. Edema. Liver enlargement. Jaundice. Conjunctivitis. Proteinuria. Defatting of the skin. Rash.

Potential environmental effects Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

UNLEADED GASOLINE

3536

Version #: 01

Revision date: 10-23-2010

Print date: 10-23-2010

CPH MSDS NA

1 / 16

Prepared by 3E Company

3. Composition / Information on Ingredients

Components	CAS #	Percent
Gasoline	86290-81-5	0-100
Toluene	108-88-3	0-30
Hexane (Other Isomers)	96-14-0	5-25
Xylene (o, m, p isomers)	1330-20-7	0-25
Octane (All isomers)	111-65-9	0-18.5
Ethanol	64-17-5	0-10
1,2,4, Trimethylbenzene	95-63-6	0-6
n-Heptane	142-82-5	1-5
Pentane	109-66-0	1-5
Cumene	98-82-8	0-5
Ethylbenzene	100-41-4	0-5
Benzene	71-43-2	0-4.9
n-Hexane	110-54-3	0-3
Cyclohexane	110-82-7	0-3

4. First Aid Measures

First aid procedures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
Skin contact	Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Get medical attention if irritation develops or persists. Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes. If high pressure injection under the skin occurs, always seek medical attention.
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
Ingestion	Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Do not give mouth-to-mouth resuscitation. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical attention immediately.

Notes to physician In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General advice If exposed or concerned: get medical attention/advice. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use.

5. Fire Fighting Measures

Flammable properties Flammable by OSHA criteria. Containers may explode when heated.

Extinguishing media

Suitable extinguishing media Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Protection of firefighters

Specific hazards arising from the chemical Vapor may cause flash fire. Vapors can flow along surfaces to distant ignition source and flash back. Sensitive to static discharge.

Protective equipment and precautions for firefighters Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Fire fighting equipment/instructions

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move containers from fire area if you can do it without risk. In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Vapors may form explosive air mixtures even at room temperature. Prevent buildup of vapors or gases to explosive concentrations. Some of these materials, if spilled, may evaporate leaving a flammable residue. Water runoff can cause environmental damage. Use compatible foam to minimize vapor generation as needed.

Specific methods

In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers.

Hazardous combustion products

Carbon monoxide. Carbon Dioxide. Sulfur oxides. Nitrogen oxides (NOx). Hydrocarbons.

6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. Local authorities should be advised if significant spills cannot be contained. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.

Environmental precautions

Gasoline may contain oxygenated blend products (Ethanol, etc.) that are soluble in water and therefore precautions should be taken to protect surface and groundwater sources from contamination. If facility or operation has an "oil or hazardous substance contingency plan", activate its procedures. Stay upwind and away from spill. Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not enter or stay in area unless monitoring indicates that it is safe to do so. Isolate hazard area and restrict entry to emergency crew. Extremely flammable. Review Fire Fighting Measures, Section 5, before proceeding with clean up. Keep all sources of ignition (flames, smoking, flares, etc.) and hot surfaces away from release. Contain spill in smallest possible area. Recover as much product as possible (e.g. by vacuuming). Stop leak if it can be done without risk. Use water spray to disperse vapors. Use compatible foam to minimize vapor generation as needed. Spilled material may be absorbed by an appropriate absorbent, and then handled in accordance with environmental regulations. Prevent spilled material from entering sewers, storm drains, other unauthorized treatment or drainage systems and natural waterways. Contact fire authorities and appropriate federal, state and local agencies. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, contact the National Response Center at 1-800-424-8802. For highway or railways spills, contact Chemtrec at 1-800-424-9300.

Methods for containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Use non-sparking tools and explosion-proof equipment.

Small Spills: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. This material and its container must be disposed of as hazardous waste.

Large Spills: Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Do not allow material to contaminate ground water system. Should not be released into the environment.

Other information

Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling

Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. The product is extremely flammable, and explosive vapor/air mixtures may be formed even at normal room temperatures. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. When using, do not eat, drink or smoke. Avoid release to the environment.

Storage

Flammable liquid storage. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feedings. Keep out of the reach of children.

8. Exposure Controls / Personal Protection**Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	Type	Value
1,2,4, Trimethylbenzene (95-63-6)	TWA	25 ppm
Benzene (71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
Cumene (98-82-8)	TWA	50 ppm
Cyclohexane (110-82-7)	TWA	100 ppm
Ethanol (64-17-5)	STEL	1000 ppm
Ethylbenzene (100-41-4)	STEL	125 ppm
	TWA	100 ppm
Gasoline (86290-81-5)	STEL	500 ppm
	TWA	300 ppm
Hexane (Other Isomers) (96-14-0)	STEL	1000 ppm
	TWA	500 ppm
n-Heptane (142-82-5)	STEL	500 ppm
	TWA	400 ppm
n-Hexane (110-54-3)	TWA	50 ppm
Octane (All isomers) (111-65-9)	TWA	300 ppm
	TWA	300 ppm
Pentane (109-66-0)	TWA	600 ppm
Toluene (108-88-3)	TWA	20 ppm
Xylene (o, m, p isomers) (1330-20-7)	STEL	150 ppm
	TWA	100 ppm

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Benzene (71-43-2)	Ceiling	25 ppm
	STEL	5 ppm
	TWA	1 ppm
Cumene (98-82-8)	PEL	50 ppm
	PEL	245 mg/m ³
Cyclohexane (110-82-7)	PEL	300 ppm
	PEL	1050 mg/m ³
Ethanol (64-17-5)	PEL	1900 mg/m ³
	PEL	1000 ppm
Ethylbenzene (100-41-4)	PEL	435 mg/m ³
	PEL	100 ppm
n-Heptane (142-82-5)	PEL	500 ppm
	PEL	2000 mg/m ³
n-Hexane (110-54-3)	PEL	500 ppm
	PEL	1800 mg/m ³
Octane (All isomers) (111-65-9)	PEL	500 ppm
	PEL	2350 mg/m ³
Pentane (109-66-0)	PEL	1000 ppm
	PEL	2950 mg/m ³
Toluene (108-88-3)	Ceiling	300 ppm
	TWA	200 ppm
Xylene (o, m, p isomers) (1330-20-7)	PEL	435 mg/m ³
	PEL	100 ppm

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
1,2,4, Trimethylbenzene (95-63-6)	TWA	25 ppm
Benzene (71-43-2)	STEL	123 mg/m3
	TWA	2.5 ppm 8 mg/m3
Cumene (98-82-8)	TWA	1.6 mg/m3 0.5 ppm
	TWA	50 ppm
Cyclohexane (110-82-7)	TWA	246 mg/m3 344 mg/m3
	TWA	100 ppm
Ethanol (64-17-5)	TWA	1880 mg/m3
Ethylbenzene (100-41-4)	STEL	1000 ppm
	TWA	125 ppm
	TWA	543 mg/m3 100 ppm
Gasoline (86290-81-5)	STEL	434 mg/m3
	TWA	500 ppm
Hexane (Other Isomers) (96-14-0)	TWA	300 ppm
	STEL	1000 ppm
n-Heptane (142-82-5)	TWA	3500 mg/m3
	STEL	1760 mg/m3
	TWA	500 ppm
n-Hexane (110-54-3)	STEL	2050 mg/m3
	TWA	500 ppm
Octane (All isomers) (111-65-9)	TWA	400 ppm
	TWA	1640 mg/m3
Pentane (109-66-0)	TWA	176 mg/m3
	TWA	50 ppm
Toluene (108-88-3)	TWA	300 ppm
	TWA	1400 mg/m3

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
1,2,4, Trimethylbenzene (95-63-6)	TWA	25 ppm
Benzene (71-43-2)	STEL	2.5 ppm
	TWA	0.5 ppm
Cumene (98-82-8)	STEL	75 ppm
	TWA	25 ppm
Cyclohexane (110-82-7)	TWA	100 ppm
Ethanol (64-17-5)	STEL	1000 ppm
Ethylbenzene (100-41-4)	STEL	125 ppm
	TWA	100 ppm
Gasoline (86290-81-5)	STEL	500 ppm
	TWA	300 ppm
Hexane (Other Isomers) (96-14-0)	TWA	200 ppm
	STEL	500 ppm
n-Heptane (142-82-5)	TWA	400 ppm
	TWA	20 ppm
n-Hexane (110-54-3)	TWA	300 ppm
Octane (All isomers) (111-65-9)	TWA	300 ppm
Pentane (109-66-0)	TWA	600 ppm
Toluene (108-88-3)	TWA	20 ppm

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Xylene (o, m, p isomers) (1330-20-7)	STEL	150 ppm
	TWA	100 ppm

Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
1,2,4, Trimethylbenzene (95-63-6)	TWA	123 mg/m3
Benzene (71-43-2)	STEL	25 ppm
	TWA	2.5 ppm
Cumene (98-82-8)	TWA	0.5 ppm
		245 mg/m3
Cyclohexane (110-82-7)	TWA	50 ppm
		100 ppm
Ethanol (64-17-5)	TWA	1900 mg/m3
		1000 ppm
Ethylbenzene (100-41-4)	STEL	540 mg/m3
	TWA	125 ppm
Gasoline (86290-81-5)	TWA	100 ppm
	STEL	435 mg/m3
Hexane (Other Isomers) (96-14-0)	TWA	500 ppm
	STEL	300 ppm
n-Heptane (142-82-5)	TWA	1000 ppm
	STEL	3520 mg/m3
n-Hexane (110-54-3)	TWA	500 ppm
		1760 mg/m3
Octane (All isomers) (111-65-9)	TWA	500 ppm
	STEL	2045 mg/m3
Pentane (109-66-0)	TWA	400 ppm
		1635 mg/m3
Toluene (108-88-3)	TWA	50 ppm
	STEL	176 mg/m3
Xylene (o, m, p isomers) (1330-20-7)	TWA	1750 mg/m3
		300 ppm
Xylene (o, m, p isomers) (1330-20-7)	TWA	1400 mg/m3
	STEL	750 ppm
Xylene (o, m, p isomers) (1330-20-7)	TWA	2210 mg/m3
		600 ppm
Xylene (o, m, p isomers) (1330-20-7)	TWA	1770 mg/m3
	STEL	20 ppm
Xylene (o, m, p isomers) (1330-20-7)	TWA	150 ppm
		650 mg/m3
Xylene (o, m, p isomers) (1330-20-7)	TWA	100 ppm
		435 mg/m3

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
1,2,4, Trimethylbenzene (95-63-6)	TWA	25 ppm
Benzene (71-43-2)	STEL	123 mg/m3
	TWA	15.5 mg/m3
Cumene (98-82-8)	TWA	5 ppm
		3 mg/m3
Cyclohexane (110-82-7)	TWA	1 ppm
		246 mg/m3
Cyclohexane (110-82-7)	TWA	50 ppm
		300 ppm
		1030 mg/m3

Canada. Quebec OELS. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Ethanol (64-17-5)	TWA	1880 mg/m3
Ethylbenzene (100-41-4)	STEL	1000 ppm
	TWA	543 mg/m3
Hexane (Other Isomers) (96-14-0)	STEL	125 ppm
	TWA	100 ppm
n-Heptane (142-82-5)	STEL	434 mg/m3
	TWA	3500 mg/m3
n-Hexane (110-54-3)	STEL	1000 ppm
	TWA	500 ppm
Octane (All isomers) (111-65-9)	STEL	1760 mg/m3
	TWA	500 ppm
Pentane (109-66-0)	STEL	2050 mg/m3
	TWA	400 ppm
Toluene (108-88-3)	STEL	1640 mg/m3
	TWA	50 ppm
Xylene (o, m, p isomers) (1330-20-7)	STEL	176 mg/m3
	TWA	375 ppm
Xylene (o, m, p isomers) (1330-20-7)	STEL	1750 mg/m3
	TWA	300 ppm
Xylene (o, m, p isomers) (1330-20-7)	STEL	1400 mg/m3
	TWA	120 ppm
Xylene (o, m, p isomers) (1330-20-7)	STEL	350 mg/m3
	TWA	188 mg/m3
Xylene (o, m, p isomers) (1330-20-7)	STEL	50 ppm
	TWA	651 mg/m3
Xylene (o, m, p isomers) (1330-20-7)	STEL	150 ppm
	TWA	100 ppm
Xylene (o, m, p isomers) (1330-20-7)	STEL	434 mg/m3
	TWA	434 mg/m3

Mexico. Occupational Exposure Limit Values

Components	Type	Value
1,2,4, Trimethylbenzene (95-63-6)	STEL	35 ppm
	TWA	170 mg/m3
Benzene (71-43-2)	STEL	25 ppm
	TWA	125 mg/m3
Cumene (98-82-8)	STEL	5 ppm
	TWA	16 mg/m3
Cyclohexane (110-82-7)	STEL	3.2 mg/m3
	TWA	1 ppm
Ethanol (64-17-5)	STEL	365 mg/m3
	TWA	75 ppm
Ethylbenzene (100-41-4)	STEL	50 ppm
	TWA	245 mg/m3
Hexane (Other Isomers) (96-14-0)	STEL	375 ppm
	TWA	1300 mg/m3
n-Heptane (142-82-5)	STEL	300 ppm
	TWA	1050 mg/m3
n-Heptane (142-82-5)	STEL	1900 mg/m3
	TWA	1000 ppm
n-Heptane (142-82-5)	STEL	125 ppm
	TWA	545 mg/m3
n-Heptane (142-82-5)	STEL	100 ppm
	TWA	435 mg/m3
n-Heptane (142-82-5)	STEL	3500 mg/m3
	TWA	1000 ppm
n-Heptane (142-82-5)	STEL	500 ppm
	TWA	1760 mg/m3
n-Heptane (142-82-5)	STEL	500 ppm
	TWA	500 ppm

Mexico. Occupational Exposure Limit Values

Components	Type	Value
n-Hexane (110-54-3)	TWA	2000 mg/m ³ 400 ppm
	TWA	1600 mg/m ³ 50 ppm
	STEL	176 mg/m ³ 375 ppm
Octane (All isomers) (111-65-9)	TWA	1800 mg/m ³ 300 ppm
	STEL	1450 mg/m ³ 760 ppm
	TWA	2250 mg/m ³ 600 ppm
Pentane (109-66-0)	TWA	1800 mg/m ³ 188 mg/m ³
	STEL	50 ppm 655 mg/m ³
Toluene (108-88-3)	TWA	150 ppm
	STEL	100 ppm
	TWA	435 mg/m ³

Engineering controls Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment.

Personal protective equipment

Eye / face protection Wear safety glasses. If splash potential exists, wear full face shield or chemical goggles.

Skin protection Wear chemical-resistant, impervious gloves. Full body suit and boots are recommended when handling large volumes or in emergency situations. Flame retardant protective clothing is recommended.

Respiratory protection Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workplace exposure limits for product or components are exceeded, NIOSH approved equipment should be worn. Proper respirator selection should be determined by adequately trained personnel, based on the contaminants, the degree of potential exposure and published respiratory protection factors. This equipment should be available for nonroutine and emergency use.

General hygiene considerations Consult supervisor for special handling instructions. Avoid contact with eyes. Avoid contact with skin. Keep away from food and drink. Wash hands before breaks and immediately after handling the product. Provide eyewash station and safety shower. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	Light straw to red clear liquid with characteristic strong odor of gasoline.
Color	Light straw to red clear.
Odor	Characteristic Gasoline Odor (Strong).
Odor threshold	Not available.
Physical state	Liquid.
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	44 °F (6.67 °C) May start to solidify at this temperature. This is based on data for the following ingredient: Cyclohexane. Weighted average: -91.9 deg C (-133.4 deg F)
Boiling point	80.1 - 440.1 °F (26.7 - 226.7 °C)
Flash point	-40 °F (-40 °C) (closed cup)
Evaporation rate	10 - 11 BuAc
Flammability limits in air, upper, % by volume	7.1 %

UNLEADED GASOLINE

3536

Version #: 01

Revision date: 10-23-2010

Print date: 10-23-2010

CPH MSDS NA

8 / 16

Prepared by 3E Company

Flammability limits in air, lower, % by volume	1.3 %
Vapor pressure	60.8 - 101.3 kPa (20°C)
Vapor density	3 - 4 (Air=1)
Specific gravity	0.66 - 0.75 (Water=1) (60°F)
Solubility (water)	Very slightly soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 500 °F (> 260 °C)
Decomposition temperature	Not available.
VOC	100 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal temperature conditions and recommended use.
Conditions to avoid	Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides. Sulfur oxides. Nitrogen oxides (NOx). Hydrocarbons.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data

Components

Test Results

Ethylbenzene (100-41-4)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Acute Oral LD50 Rat: 3500 mg/kg
Toluene (108-88-3)	Acute Oral LD50 Rat: 5.46 g/kg Acute Dermal LD50 Rabbit: 14.1 ml/kg Acute Inhalation LC50 Rat: 8000 mg/l 4 Hours
Pentane (109-66-0)	Acute Oral LD50 Rat: 2.6 g/kg Acute Inhalation LC50 Rat: 364 mg/l 4 Hours
Cyclohexane (110-82-7)	Acute Oral LD50 Rat: 12705 mg/kg
Octane (All isomers) (111-65-9)	Acute Inhalation LC50 Rat: 118 mg/l 4 Hours
Xylene (o, m, p isomers) (1330-20-7)	Acute Oral LD50 Mouse: 1590 mg/kg Acute Oral LD50 Rat: 6670 mg/kg Acute Inhalation LC50 Rat: 103 mg/l 4 Hours
n-Heptane (142-82-5)	Acute Inhalation LC50 Rat: 20000 ppm 10 hr
Ethanol (64-17-5)	Acute Oral LD50 Rat: 6.2 g/kg Acute Oral LD50 Rat: 3306 mg/kg
Benzene (71-43-2)	Acute Dermal LD50 Rabbit: > 3160 mg/kg Acute Inhalation LC50 Rat: > 2000 mg/l 48 Hours
1,2,4, Trimethylbenzene (95-63-6)	Acute Oral LD50 Rat: 6 g/kg Acute Inhalation LC50 Mouse: 2000 mg/l 7 Hours Acute Inhalation LC50 Rat: 8000 mg/l 4 Hours
Cumene (98-82-8)	Acute Oral LD50 Rat: 1400 mg/kg Acute Oral LD50 Rat: 2.91 g/kg

Acute effects	Harmful if inhaled, absorbed through skin, or swallowed. Harmful: may cause lung damage if swallowed. Irritating to eyes, respiratory system and skin. In high concentrations, vapors and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.
----------------------	---

Local effects**US ACGIH Threshold Limit Values: Skin designation**

Benzene (CAS 71-43-2)
n-Hexane (CAS 110-54-3)

Can be absorbed through the skin.
Can be absorbed through the skin.

Sensitization

This substance may have a potential for sensitization which may provoke an allergic reaction among sensitive individuals.

Chronic effects

Repeated exposure of laboratory animals to high concentrations of gasoline vapors has caused kidney damage and cancer in rats and cancer in mice. Gasoline was evaluated for genetic activity in assays using microbial cells, cultured mammalian cells and rat bone marrow cells. The results were all negative so gasoline was considered nonmutagenic under these conditions. Overexposure to this product or its components has been suggested as a cause of liver abnormalities in laboratory animals and humans. Lifetime studies by the American Petroleum Institute have shown that kidney damage and kidney cancer can occur in male rats after prolonged inhalation exposures at elevated concentrations of total gasoline. Kidneys of mice and female rats were unaffected. The U.S. EPA Risk Assessment Forum has concluded that the male rat kidney tumor results are not relevant for humans. Total gasoline exposure also produced liver tumors in female mice only. The implication of these data for humans has not been determined.

Subchronic effects

Subchronic inhalation of benzene by rats produced decreased white blood cell counts, decreased bone marrow cell activity, increased red blood cell activity and cataracts. Blood disorders may occur after prolonged inhalation, prolonged skin contact and/or ingestion. Liver and kidney damage may occur after prolonged and repeated exposure.

Carcinogenicity**ACGIH Carcinogens**

Benzene (CAS 71-43-2)
Ethanol (CAS 64-17-5)

A1 Confirmed human carcinogen.
A3 Confirmed animal carcinogen with unknown relevance to humans.

Ethylbenzene (CAS 100-41-4)

A3 Confirmed animal carcinogen with unknown relevance to humans.

Gasoline (CAS 86290-81-5)

A3 Confirmed animal carcinogen with unknown relevance to humans.

Toluene (CAS 108-88-3)

A4 Not classifiable as a human carcinogen.

Xylene (o, m, p isomers) (CAS 1330-20-7)

A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzene (CAS 71-43-2)

1 Carcinogenic to humans.

Ethylbenzene (CAS 100-41-4)

2B Possibly carcinogenic to humans.

Gasoline (CAS 86290-81-5)

2B Possibly carcinogenic to humans.

Toluene (CAS 108-88-3)

3 Not classifiable as to carcinogenicity to humans.

Xylene (o, m, p isomers) (CAS 1330-20-7)

3 Not classifiable as to carcinogenicity to humans.

US NTP Report on Carcinogens: Known carcinogen

Benzene (CAS 71-43-2)

Known carcinogen.

US OSHA Specifically Regulated Substances: Cancer hazard

Benzene (CAS 71-43-2)

Cancer hazard.

Epidemiology

Contains benzene. Human epidemiology studies indicate that prolonged and/or repeated overexposure to benzene may cause damage to the blood-producing system and serious blood disorders, including leukemia. Animal tests suggest that prolonged and/or repeated overexposure to benzene may damage the embryo/fetus. The relevance of these animal studies to humans has not been fully established. Studies have shown a risk of spontaneous abortions in women exposed to high concentrations of organic solvents during pregnancy.

Mutagenicity

In in-vitro experiments, neither benzene, toluene nor xylene changed the number of sister-chromatid exchanges (SCEs) or the number of chromosomal aberrations in human lymphocytes. However, toluene and xylene caused a significant cell growth inhibition which was not observed with benzene in the same concentrations. In in-vivo experiments, toluene changed the number of sister-chromatid exchanges (SCEs) in human lymphocytes. Toluene may cause heritable genetic damage.

Neurological effects

Chronic exposure to high concentrations of various hydrocarbon blends may lead to polyneuropathy (peripheral nerve damage), characterized by progressive weakness and numbness in the extremities, loss of deep tendon reflexes and reduction of motor nerve conduction velocity. Numerous cases of polyneuritis have been reported following prolonged exposures to a petroleum fraction containing various isomers of heptane as major ingredients. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue) and/or damage.

Reproductive effects

Benzene, xylene and toluene have demonstrated animal effects of reproductive toxicity. Animal studies of benzene have shown testicular effects, alterations in reproductive cycles, chromosomal aberrations and embryo/fetotoxicity. Ethanol has demonstrated human effects of reproductive toxicity. May damage fertility or the unborn child. Can cause adverse reproductive effects - such as birth defects, miscarriages, or infertility. Avoid exposure to women during early pregnancy. Avoid contact during pregnancy/while nursing.

Teratogenicity

Abusive inhalation of toluene ("glue sniffing") has been reported to be associated with birth defects in the offspring of abusers. Rats exposed to benzene and xylene vapor during pregnancy showed embryo/fetotoxic effects. Ethanol has demonstrated human effects of teratogenicity.

Further information

Symptoms may be delayed.

12. Ecological Information**Ecotoxicological data****Components****Test Results**

Components	Test Results
Ethylbenzene (100-41-4)	LC50 Rainbow trout,donaldson trout (<i>Oncorhynchus mykiss</i>): 4.2 mg/l 96 hours
Toluene (108-88-3)	LC50 Coho salmon,silver salmon (<i>Oncorhynchus kisutch</i>): 5.5 mg/l 96 hours
n-Hexane (110-54-3)	LC50 Fathead minnow (<i>Pimephales promelas</i>): 2.101 - 2.981 mg/l 96 hours
Cyclohexane (110-82-7)	LC50 Fathead minnow (<i>Pimephales promelas</i>): 3.961 - 5.181 mg/l 96 hours
n-Heptane (142-82-5)	LC50 Mozambique tilapia (<i>Tilapia mossambica</i>): 375 mg/l 96 hours
Ethanol (64-17-5)	EC50 Water flea (<i>Daphnia magna</i>): 7.7 - 11.2 mg/l 48 hours LC50 Fathead minnow (<i>Pimephales promelas</i>): > 100 mg/l 96 hours
Benzene (71-43-2)	LC50 Rainbow trout,donaldson trout (<i>Oncorhynchus mykiss</i>): 5.3 mg/l 96 hours
1,2,4, Trimethylbenzene (95-63-6)	LC50 Fathead minnow (<i>Pimephales promelas</i>): 7.19 - 8.28 mg/l 96 hours
Cumene (98-82-8)	LC50 Rainbow trout,donaldson trout (<i>Oncorhynchus mykiss</i>): 2.7 mg/l 96 hours

Ecotoxicity

Contains a substance which causes risk of hazardous effects to the environment.

Environmental effects

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Aquatic toxicity

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Not available.

Bioaccumulation / Accumulation

No data available.

Partition coefficient (n-octanol/water)

Not available.

Mobility in environmental media

No data available.

13. Disposal Considerations**Waste codes**

D001: Waste Flammable material with a flash point <140 °F
D018: Waste Benzene

Disposal instructions

Dispose in accordance with all applicable regulations. Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

14. Transport Information**DOT****Basic shipping requirements:**

UN number UN1203
Proper shipping name Gasoline

UNLEADED GASOLINE

3536

Prepared by 3E Company

Version #: 01

Revision date: 10-23-2010

Print date: 10-23-2010

CPH MSDS NA

11 / 16

Hazard class	3
Packing group	II
Labels required	3
Additional information:	
Special provisions	139, B33, B101, T8
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242
ERG number	128

IATA

Basic shipping requirements:

UN number	1203
Proper shipping name	Gasoline
Hazard class	3
Packing group	II
Additional information:	
ERG code	3H

IMDG

Basic shipping requirements:

UN number	1203
Proper shipping name	Gasoline
Hazard class	3
Packing group	II
EmS No.	F-E, S-E

TDG

Basic shipping requirements:

Proper shipping name	GASOLINE; MOTOR SPIRIT; or PETROL
Hazard class	3
UN number	UN1203
Packing group	II
Marine pollutant	Yes
Additional information:	
Special provisions	17



DOT



IATA



IMDG



TDG

15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

US TSCA Section 12(b) Export Notification: Export Notification requirement/De minimis concentration

n-Heptane (CAS 142-82-5)	1.0 % One-Time Export Notification only.
Pentane (CAS 109-66-0)	1.0 % One-Time Export Notification only.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

1,2,4, Trimethylbenzene (CAS 95-63-6)	1.0 %
Benzene (CAS 71-43-2)	0.1 %
Cumene (CAS 98-82-8)	1.0 %
Cyclohexane (CAS 110-82-7)	1.0 %
Ethylbenzene (CAS 100-41-4)	0.1 %
n-Hexane (CAS 110-54-3)	1.0 %
Toluene (CAS 108-88-3)	1.0 %
Xylene (o, m, p isomers) (CAS 1330-20-7)	1.0 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

1,2,4, Trimethylbenzene (CAS 95-63-6)	Listed.
Benzene (CAS 71-43-2)	Listed.
Cumene (CAS 98-82-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
n-Hexane (CAS 110-54-3)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (o, m, p isomers) (CAS 1330-20-7)	Listed.

CERCLA (Superfund) reportable quantity (lbs)

Gasoline 100
Toluene 100
Hexane (Other Isomers) 100
Xylene (o, m, p isomers) 1000
Octane (All isomers) 100
n-Heptane 100
Pentane 100
Cumene 5000
Ethylbenzene 1000
Benzene 10
n-Hexane 5000
Cyclohexane 1000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance
No

Section 311 hazardous chemical
No

Drug Enforcement Agency (DEA)
Not controlled

Canadian regulations

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status

Controlled

WHMIS classification

B2 - Flammable/Combustible
D1A - Immediate/Serious-VERY TOXIC
D2A - Other Toxic Effects-VERY TOXIC
D2B - Other Toxic Effects-TOXIC

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

1,2,4, Trimethylbenzene (CAS 95-63-6)	Listed.
Benzene (CAS 71-43-2)	Listed.
Cumene (CAS 98-82-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
Hexane (Other Isomers) (CAS 96-14-0)	Listed.
n-Heptane (CAS 142-82-5)	Listed.
n-Hexane (CAS 110-54-3)	Listed.
Octane (All isomers) (CAS 111-65-9)	Listed.
Pentane (CAS 109-66-0)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (o, m, p isomers) (CAS 1330-20-7)	Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Benzene (CAS 71-43-2)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
Toluene (CAS 108-88-3)	Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Benzene (CAS 71-43-2)	Listed: February 27, 1987 Carcinogenic.
Ethylbenzene (CAS 100-41-4)	Listed: June 11, 2004 Carcinogenic.

US - California Proposition 65 - CRT: Listed date/Developmental toxin

Benzene (CAS 71-43-2)	Listed: December 26, 1997 Developmental toxin.
Toluene (CAS 108-88-3)	Listed: January 1, 1991 Developmental toxin.

US - California Proposition 65 - CRT: Listed date/Female reproductive toxin

Toluene (CAS 108-88-3)	Listed: August 7, 2009 Female reproductive toxin.
------------------------	---

US - California Proposition 65 - CRT: Listed date/Male reproductive toxin

Benzene (CAS 71-43-2)	Listed: December 26, 1997 Male reproductive toxin.
-----------------------	--

US - Massachusetts RTK - Substance: Listed substance

1,2,4, Trimethylbenzene (CAS 95-63-6)	Listed.
Benzene (CAS 71-43-2)	Listed.
Cumene (CAS 98-82-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
Hexane (Other Isomers) (CAS 96-14-0)	Listed.

n-Heptane (CAS 142-82-5)	Listed.
n-Hexane (CAS 110-54-3)	Listed.
Octane (All isomers) (CAS 111-65-9)	Listed.
Pentane (CAS 109-66-0)	Listed.
Toluene (CAS 108-88-3)	Listed.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

1,2,4, Trimethylbenzene (CAS 95-63-6)	500 LBS
Benzene (CAS 71-43-2)	500 LBS
Cumene (CAS 98-82-8)	500 LBS
Cyclohexane (CAS 110-82-7)	500 LBS
Ethylbenzene (CAS 100-41-4)	500 LBS
n-Hexane (CAS 110-54-3)	500 LBS
Pentane (CAS 109-66-0)	500 LBS
Toluene (CAS 108-88-3)	500 LBS
Xylene (o, m, p isomers) (CAS 1330-20-7)	500 LBS

US - New Jersey RTK - Substances: Listed substance

1,2,4, Trimethylbenzene (CAS 95-63-6)	Listed.
Benzene (CAS 71-43-2)	Listed.
Cumene (CAS 98-82-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
n-Heptane (CAS 142-82-5)	Listed.
n-Hexane (CAS 110-54-3)	Listed.
Octane (All isomers) (CAS 111-65-9)	Listed.
Pentane (CAS 109-66-0)	Listed.
Xylene (o, m, p isomers) (CAS 1330-20-7)	Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

1,2,4, Trimethylbenzene (CAS 95-63-6)	Listed.
Benzene (CAS 71-43-2)	Listed.
Cumene (CAS 98-82-8)	Listed.
Cyclohexane (CAS 110-82-7)	Listed.
Ethanol (CAS 64-17-5)	Listed.
Ethylbenzene (CAS 100-41-4)	Listed.
Gasoline (CAS 86290-81-5)	Listed.
Hexane (Other isomers) (CAS 96-14-0)	Listed.
n-Heptane (CAS 142-82-5)	Listed.
n-Hexane (CAS 110-54-3)	Listed.
Octane (All isomers) (CAS 111-65-9)	Listed.
Pentane (CAS 109-66-0)	Listed.
Toluene (CAS 108-88-3)	Listed.
Xylene (o, m, p isomers) (CAS 1330-20-7)	Listed.

US - Pennsylvania RTK - Hazardous Substances: Special hazard

Benzene (CAS 71-43-2)	Special hazard.
-----------------------	-----------------

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

Other information

Note: This Material Safety Data Sheet applies to the listed products and synonym descriptions for Hazard Communication purposes only. Technical Specifications vary greatly depending on the products and are not reflected in this document. Consult specification sheets for technical information.

HMIS® ratings

Health: 2*
Flammability: 3
Physical hazard: 0

NFPA ratings

Health: 1
Flammability: 3
Instability: 0

Disclaimer

This Material Safety Data Sheet (MSDS) was prepared in accordance with 29 CFR 1910.1200 by Valero Marketing & Supply Co., ("VALERO"). VALERO does not assume any liability arising out of product use by others. The information, recommendations, and suggestions presented in this MSDS are based upon test results and data believed to be reliable. The end user of the product has the responsibility for evaluating the adequacy of the data under the conditions of use, determining the safety, toxicity and suitability of the product under these conditions, and obtaining additional or clarifying information where uncertainty exists. No guarantee expressed or implied is made as to the effects of such use, the results to be obtained, or the safety and toxicity of the product in any specific application. Furthermore, the information herein is not represented as absolutely complete, since it is not practicable to provide all the scientific and study information in the format of this document, plus additional information may be necessary under exceptional conditions of use, or because of applicable laws or government regulations.

Issue date

10-23-2010

Safety Data Sheet**Section 1: Identification of the substance or mixture and of the supplier**

Product Name:	No. 2 Diesel Fuel
SDS Number:	001847
Synonyms/Other Means of Identification:	CARB Diesel TF3; CARB Diesel; CARB Diesel 10%; CARB Diesel Ultra Low Sulfur - Dyed and Undyed; EPA Low Sulfur Diesel Fuel - Dyed and Undyed; EPA Off Road High Sulfur Diesel - Dyed; High Sulfur Diesel Fuel; Low Sulfur Diesel Fuel; No. 2 Diesel Fuel Oil; No. 2 High Sulfur Diesel - Dyed; No. 2 Low Sulfur Diesel - Dyed; No. 2 Low Sulfur Diesel - Undyed; No. 2 Low Sulfur Distillate; No. 2 Diesel with Renewable Diesel; No. 2 Ultra Low Sulfur Diesel - Dyed; No. 2 Ultra Low Sulfur Diesel - Undyed; Super Diesel Fuel; Super Diesel Fuel II-LS; Virgin Diesel Fuel; No. 2 Distillate; ULSD; Super Diesel Fuel; Super Diesel Fuel II-LS; Virgin Diesel Fuel; Distillate Blend Stock; #2 DSL ULS 15 NRLM D Fuels, Diesel
MARPOL Annex I Category: Intended Use:	Gas Oils, Including Ship's Bunkers Fuel
Manufacturer:	ConocoPhillips 600 N. Dairy Ashford Houston, Texas 77079-1175
Emergency Health and Safety Number:	Chemtrec: 800-424-9300 (24 Hours)
Customer Service:	800-527-5476
Technical Information:	800-527-5476
SDS Information:	Phone: 800-762-0942 Email: MSDS@conocophillips.com URL: www.conocophillips.com

Section 2: Hazard(s) Identification**DANGER**

Flammable liquid and vapor. (H226)*
Causes skin irritation. (H315)*
May be fatal if swallowed and enters airways. (H304)*
Harmful if inhaled. (H332)*
May cause damage to organs through prolonged or repeated exposure. (H373)*
Suspected of causing cancer. (H351)*
Very toxic to aquatic life with long lasting effects. (H410)*

**Precautionary Statement(s):**

Obtain special instructions before use. (P201)*
Keep away from heat/sparks/open flames/hot surfaces. - No smoking. (P210)*
Do not breathe vapors or mists. (P260)*
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. (P301+P310)*
Do NOT induce vomiting. (P331)*
Dispose of contents/container to approved disposal facility. (P501)*

**(Applicable GHS hazard code.)*

Section 3: Composition / Information on Ingredients

Component	CASRN	Concentration ¹
Diesel Fuel No. 2	68476-34-6	95-100
Renewable Diesel	Proprietary	0-5
Naphthalene	91-20-3	<1

Total Sulfur: < 0.1 wt%

¹ All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Section 4: First Aid Measures

Eye Contact: If irritation or redness develops from exposure, flush eyes with clean water. If symptoms persist, seek medical attention.

Skin Contact: Remove contaminated shoes and clothing, and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap and water or a waterless hand cleaner. If irritation or redness develops, seek medical attention. Wash contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician. (see Note to Physician)

Inhalation (Breathing): If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air in a position comfortable for breathing. If symptoms persist, seek immediate medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with the head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing. Seek medical attention.

Notes to Physician: When using high-pressure equipment, injection of product under the skin can occur. In this case, the casualty should be sent immediately to hospital. Do not wait for symptoms to develop. High-pressure hydrocarbon injection injuries may produce substantial necrosis of underlying tissue despite an innocuous appearing external wound. These injuries often require extensive emergency surgical debridement and all injuries should be evaluated by a specialist in order to assess the extent of injury. Early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

Medical Conditions Aggravated by Exposure: Conditions which may be aggravated by exposure include skin disorders, blood disorders, liver disorders and immune system disorders.

Section 5: Fire-Fighting Measures

NFPA 704 Hazard Class

Health: 1 **Flammability:** 2 **Instability:** 0 (0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe)

Unusual Fire & Explosion Hazards: Flammable. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Vapors may travel considerable distances to a source of ignition where they can ignite, flash back, or explode. May create vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. This product will float and can be reignited on surface water. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

Extinguishing Media: Dry chemical, carbon dioxide, or foam is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Water may be ineffective for extinguishment, unless used under favorable conditions by experienced fire fighters.

Fire Fighting Instructions: For fires beyond the initial stage, emergency responders in the immediate hazard area should wear protective clothing. When the potential chemical hazard is unknown, in enclosed or confined spaces, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely. Avoid spreading burning liquid with water used for cooling purposes.

Hazardous Combustion Products: Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of nitrogen and sulfur may also be formed.

See Section 9 for Flammable Properties including Flash Point and Flammable (Explosive) Limits

Section 6: Accidental Release Measures

Personal Precautions: Flammable. Spillages of liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition and hot metal surfaces away from spill/release if safe to do so. The use of explosion-proof electrical equipment is recommended. Stay upwind and away from spill/release. Avoid direct contact with material. For large spillages, notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

Environmental Precautions: Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Use foam on spills to minimize vapors. Use water sparingly to minimize environmental contamination and reduce disposal requirements. If spill occurs on water notify appropriate authorities and advise shipping of any hazard. Spills into or upon navigable waters, the contiguous zone, or adjoining shorelines that cause a sheen or discoloration on the surface of the water, may require notification of the National Response Center (phone number 800-424-8802).

Methods for Containment and Clean-Up: Notify relevant authorities in accordance with all applicable regulations. Immediate cleanup of any spill is recommended. Dike far ahead of spill for later recovery or disposal. Absorb spill with inert material such as sand or vermiculite, and place in suitable container for disposal. If spilled on water remove with appropriate methods (e.g. skimming, booms or absorbents). In case of soil contamination, remove contaminated soil for remediation or disposal, in accordance with local regulations.

Recommended measures are based on the most likely spillage scenarios for this material; however local conditions and regulations may influence or limit the choice of appropriate actions to be taken.

Section 7: Handling and Storage

Precautions for safe handling: Keep away from ignition sources such as heat/sparks/open flame – No smoking. Take precautionary measures against static discharge. Nonsparking tools should be used. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors or mists. Use only outdoors or in well-ventilated area. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

Flammable. May vaporize easily at ambient temperatures. The vapor is heavier than air and may create an explosive mixture of vapor and air. Beware of accumulation in confined spaces and low lying areas. Open container slowly to relieve any pressure. Electrostatic charge may accumulate and create a hazardous condition when handling or processing this material. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. The use of explosion-proof electrical equipment is recommended and may be required (see appropriate fire codes). Refer to NFPA-70 and/or API RP 2003 for specific bonding/grounding requirements. Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. Do not wear contaminated clothing or shoes. Keep contaminated clothing away from sources of ignition such as sparks or open flames.

High pressure injection of hydrocarbon fuels, hydraulic oils or greases under the skin may have serious consequences even though no symptoms or injury may be apparent. This can happen accidentally when using high pressure equipment such as high pressure grease guns, fuel injection apparatus or from pinhole leaks in tubing of high pressure hydraulic oil equipment.

For use as a motor fuel only. Do not use as a solvent due to its flammable and potentially toxic properties. Siphoning by mouth can result in lung aspiration which can be harmful or fatal.

The use of hydrocarbon fuel in an area without adequate ventilation may result in hazardous levels of incomplete combustion products (e.g. carbon monoxide, oxides of sulfur and nitrogen, benzene and other hydrocarbons) and/or dangerously low oxygen levels.

Diesel engine exhaust contains hazardous combustion products and has been classified as a probable cancer hazard in humans.

Static Accumulation Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding of tanks, transfer piping, and storage tank level floats are necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. Special care should be given to ensure that special slow load procedures for "switch loading" are followed to avoid the static ignition hazard that can exist when higher flash point material (such as fuel oil or diesel) is loaded into tanks previously containing low flash point products (such as gasoline or naphtha). For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Conditions for safe storage: Keep container(s) tightly closed and properly labeled. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Store only in approved containers. Post area "No Smoking or Open Flame." Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSI Z49.1, and other references pertaining to cleaning, repairing, welding, or other contemplated operations.

Section 8: Exposure Controls / Personal Protection

Component	ACGIH	OSHA	Other
Diesel Fuel No. 2	TWA: 100 mg/m ³	---	---
Naphthalene	STEL: 15 ppm	TWA: 10 ppm TWA: 50 mg/m ³	TWA: 0.2 mg/m ³ (as total of 17 PNA's measured by NIOSH Method 5506) (ConocoPhillips Guidelines)

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional engineering controls may be required.

Eye/Face Protection: The use of eye protection that meets or exceeds ANSI Z.87.1 is recommended to protect against potential eye contact, irritation, or injury. Depending on conditions of use, a face shield may be necessary.

Skin/Hand Protection: The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical resistant boots, aprons, arm covers, hoods, coveralls, or encapsulated suits. Suggested protective materials: Nitrile

Respiratory Protection: Where there is potential for airborne exposure above the exposure limit a NIOSH certified air purifying respirator equipped with organic vapor cartridges/canisters may be used.

A respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed whenever workplace conditions warrant a respirator's use. Air purifying respirators provide limited protection and cannot be used in atmospheres that exceed the maximum use concentration (as directed by regulation or the manufacturer's instructions), in oxygen deficient (less than 19.5 percent oxygen) situations, or under conditions that are immediately dangerous to life and health (IDLH).

Other Protective Equipment: Eye wash and quick-drench shower facilities should be available in the work area. Thoroughly clean shoes and wash contaminated clothing before reuse.

Suggestions provided in this section for exposure control and specific types of protective equipment are based on readily available information. Users should consult with the specific manufacturer to confirm the performance of their protective equipment. Specific situations may require consultation with industrial hygiene, safety, or engineering professionals.

Section 9: Physical and Chemical Properties

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm). Data represent typical values and are not intended to be specifications.

Appearance:	Straw colored to dyed red
Physical Form:	Liquid
Odor:	Diesel fuel
Odor Threshold:	No data
pH:	Not applicable
Vapor Pressure:	0.40 mm Hg
Vapor Density (air=1):	> 3
Initial Boiling Point/Range:	300-690°F / 149-366°C
Melting/Freezing Point:	No data
Solubility in Water:	Negligible
Partition Coefficient (n-octanol/water) (Kow):	No data
Specific Gravity (water=1):	0.81-0.88 @ 60°F (15.6°C)
Bulk Density:	7.08 lbs/gal
Percent Volatile:	Negligible @ ambient conditions
Evaporation Rate (nBuAc=1):	<1
Flash Point:	125 -180°F / 52 -82°C
Test Method:	Pensky-Martens Closed Cup (PMCC), ASTM D93, EPA 1010
Lower Explosive Limits (vol % in air):	0.3
Upper Explosive Limits (vol % in air):	10.0
Auto-ignition Temperature:	500°F / 260°C

Section 10: Stability and Reactivity

Stability: Stable under normal ambient and anticipated conditions of use.

Conditions to Avoid: Avoid high temperatures and all sources of ignition. Prevent vapor accumulation.

Materials to Avoid (Incompatible Materials): Avoid contact with strong oxidizing agents and strong reducing agents.

Hazardous Decomposition Products: Not anticipated under normal conditions of use.

Hazardous Polymerization: Not known to occur.

Section 11: Toxicological Information

Information on Toxicological Effects of Substance/Mixture

Acute Toxicity	Hazard	Additional Information	LC50/LD50 Data
Inhalation	Harmful if inhaled		> 4.65 mg/L (mist)

Section 11: Toxicological Information

Skin Absorption	Unlikely to be harmful	> 4.1 g/kg
Ingestion (Swallowing)	Unlikely to be harmful	> 5 g/kg

Aspiration Hazard: May be fatal if swallowed and enters airways.

Skin Corrosion/Irritation: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Serious Eye Damage/Irritation: Causes mild eye irritation.

Signs and Symptoms: While significant vapor concentrations are not likely, high concentrations can cause minor respiratory irritation, headache, drowsiness, dizziness, loss of coordination, disorientation and fatigue. Ingestion can cause irritation of the digestive tract, nausea, diarrhea, and vomiting.

Skin Sensitization: Not expected to be a skin sensitizer.

Respiratory Sensitization: No information available.

Specific Target Organ Toxicity (Single Exposure): Not expected to cause organ effects from single exposure.

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs through prolonged or repeated exposure. Dermal application of a distillate fuel component at doses > 125 mg/kg, 5 d/wk, for 13 weeks resulted in decreased liver, thymus, and spleen weights, and altered bone marrow function. Microscopic alterations included liver hypertrophy and necrosis, decreased hematopoiesis and lymphocyte depletion.

Carcinogenicity: Suspected of causing cancer. Petroleum middle distillates have been shown to cause skin tumors in mice following repeated and prolonged skin contact. Follow-up studies have shown that these tumors are produced through a non-genotoxic mechanism associated with frequent cell damage and repair, and that they are not likely to cause tumors in the absence of prolonged skin irritation.

Germ Cell Mutagenicity: Not expected to cause heritable genetic effects.

Reproductive Toxicity: Inadequate information available.

Information on Toxicological Effects of Components

Naphthalene

Carcinogenicity: Naphthalene has been evaluated in two year inhalation studies in both rats and mice. The US National Toxicology Program (NTP) concluded that there is clear evidence of carcinogenicity in male and female rats based on increased incidences of respiratory epithelial adenomas and olfactory epithelial neuroblastomas of the nose. NTP found some evidence of carcinogenicity in female mice (alveolar adenomas) and no evidence of carcinogenicity in male mice. Naphthalene has been identified as a carcinogen by IARC and NTP.

Section 12: Ecological Information

Toxicity: Experimental studies of gas oils show that acute aquatic toxicity values are typically in the range 2-20 mg/L. These values are consistent with the predicted aquatic toxicity of these substances based on their hydrocarbon compositions. They should be regarded as toxic to aquatic organisms, with the potential to cause long term adverse effects in the aquatic environment. Classification: H411; Chronic Cat 2.

Persistence and Degradability: Gas oils are complex combinations of individual hydrocarbon species. Based on the known or expected properties of individual constituents, category members are not predicted to be readily biodegradable. Some hydrocarbon constituents of gas oils are predicted to meet the criteria for persistence; on the other hand, some components can be easily degraded by microorganisms under aerobic conditions.

Persistence per IOPC Fund definition: Non-Persistent

Bioaccumulative Potential: Gas oil components have measured or calculated Log Kow values in the range of 3.9 to 6 which indicates a high potential to bioaccumulate. Lower molecular weight compounds are readily metabolized and the actual bioaccumulation potential of higher molecular weight compounds is limited by the low water solubility and large molecular size.

Mobility in Soil: Releases to water will result in a hydrocarbon film floating and spreading on the surface. For the lighter components, volatilization is an important loss process and reduces the hazard to aquatic organisms. In air, the hydrocarbon vapors react readily with hydroxyl radicals with half-lives of less than one day. Photooxidation on the water surface is also a significant loss process particularly for polycyclic aromatic compounds. In water, the majority of components will be adsorbed on sediment. Adsorption is the most predominant physical process on release to soil. Adsorbed hydrocarbons will slowly degrade in both water and soil.

Other Adverse Effects: None anticipated.

Section 13: Disposal Considerations

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

This material, if discarded as produced, would not be a federally regulated RCRA "listed" hazardous waste. However, it would likely be identified as a federally regulated RCRA hazardous waste for the following characteristic(s) shown below. See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the MSDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste.

Container contents should be completely used and containers should be emptied prior to discard. Container residues and rinsates could be considered to be hazardous wastes.

EPA Waste Number(s)

- D001 - Ignitability characteristic

Section 14: Transport Information

U.S. Department of Transportation (DOT)

Shipping Description: *Aquatic toxicity studies indicate material may be classified as a Marine Pollutant. This classification impacts bulk and water shipments.*
NA1993, Diesel fuel, Combustible liquid, III

Non-Bulk Package Marking: Not Regulated [49 CFR 173.150(f)(2)]

Non-Bulk Package Labeling: Not Regulated [49 CFR 173.150(f)(2)]

Bulk Package/Placard Marking: Combustible / 1993

Packaging - References: None; None; 49 CFR 173.241
(Exceptions; Non-bulk; Bulk)

Emergency Response Guide: 128

Note: *May also be shipped as:* Diesel fuel, Combustible liquid, UN1202, III
Bulk Package/Placard Marking would also be changed to: 1202
Container(s) greater than 5 liters (liquids) or 5 kilograms (solids), shipped by water mode and ALL bulk shipments may require the shipping description to contain the "Marine Pollutant" notation [49 CFR 172.203(I)] and the container(s) to display the [Marine Pollutant Mark] [49 CFR 172.322].
The following alternate shipping description order may be used until January 1, 2013:
Proper Shipping name, Hazard Class or Division, (Subsidiary Hazard if any), UN or NA number, Packing Group
Other shipping description elements may be required for DOT compliance.

International Maritime Dangerous Goods (IMDG)

Shipping Description: *If flashpoint is >60° C closed-cup and the material meets the IMDG definition of a Marine Pollutant, an alternate shipping name such as "Environmentally hazardous substance, n.o.s." with hazard class 9 and PG III must be used.*
UN1202, Diesel fuel, 3, III, (FP° C cc), [where FP is the material's flash point in degrees Celsius closed cup]

Non-Bulk Package Marking: Diesel fuel, UN1202

Labels: Flammable liquid

Placards/Marking (Bulk): Flammable / 1202

Packaging - Non-Bulk: P001, LP01

EMS: F-E, S-E

Note: *Proper Shipping name can be:* Gas Oil *or* Diesel fuel *or* Heating Oil, light
If transported in bulk by marine vessel in international waters, product is being carried under the scope of MARPOL Annex I.
If container(s) is greater than 5 liters (liquids) or 5 kilograms (solids), shipment may require the shipping description to contain the "Marine Pollutant" description [IMDG 5.4.1.4.3.5] and the container(s) to display the Marine Pollutant mark [IMDG 5.2.1.6].

International Civil Aviation Org. / International Air Transport Assoc. (ICAO/IATA)

UN/ID #: *Not regulated if flashpoint is >60° C closed-cup*
UN1202

Section 14: Transport Information

Proper Shipping Name: Diesel fuel
Hazard Class/Division: 3
Packing Group: III
Non-Bulk Package Marking: Diesel fuel, UN1202
Labels: Flammable liquid
ERG Code: 3L
Note: *If container(s) is greater than 5 liters (liquids) or 5 kilograms (solids), shipment may require the container to display the "Environmentally hazardous substance" mark [IATA 7.1.6.3].*

	LTD. QTY	Passenger Aircraft	Cargo Aircraft Only
Packaging Instruction #:	Y344	355	366
Max. Net Qty. Per Package:	10 L	60 L	220 L

Section 15: Regulatory Information

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):

This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.

CERCLA/SARA - Section 311/312 (Title III Hazard Categories)

Acute Health: Yes
Chronic Health: Yes
Fire Hazard: Yes
Pressure Hazard: No
Reactive Hazard: No

CERCLA/SARA - Section 313 and 40 CFR 372:

This material contains the following chemicals subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR 372:

Component	Concentration ¹	de minimis
Naphthalene	<1	0.1%

EPA (CERCLA) Reportable Quantity (in pounds):

EPA's Petroleum Exclusion applies to this material - (CERCLA 101(14)).

California Proposition 65:

Warning: This material may contain detectable quantities of the following chemicals, known to the State of California to cause cancer, birth defects or other reproductive harm, and which may be subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

Component	Type of Toxicity
Naphthalene	Cancer

International Hazard Classification

GHS Classification:

- H226 -- Flammable liquids -- Category 3
- H315 -- Skin corrosion/irritation -- Category 2
- H304 -- Aspiration Hazard -- Category 1
- H332 -- Acute toxicity, Inhalation -- Category 4
- H373 -- Specific target organ toxicity (repeated exposure) -- Category 2
- H351 -- Carcinogenicity -- Category 2
- H410 -- Hazardous to the aquatic environment, chronic toxicity -- Category 1

Canada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the Regulations.

WHMIS Hazard Class
B3 - Combustible Liquids
D1B
D2A
D2B

National Chemical Inventories:

All components are either listed on the US TSCA Inventory, or are not regulated under TSCA.

All components are either on the DSL, or are exempt from DSL listing requirements.

U.S. Export Control Classification Number: EAR99

Section 16: Other Information

Date of Issue:	13-Jun-2011
Status:	FINAL
Previous Issue Date:	21-Dec-2010
Revised Sections or Basis for Revision:	Handling and Storage information (Section 7)
SDS Number:	001847

Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

Disclaimer of Expressed and implied Warranties:

The information presented in this Material Safety Data Sheet is based on data believed to be accurate as of the date this Material Safety Data Sheet was prepared. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.

ERGON Asphalt & Emulsions, Inc.

CRS-2

MSDS No. AE018

Date of Preparation: April 9, 2008

Revision No. 2

Section 1 – Chemical Product and Company Information

Product/Chemical Name:	CRS-2
Chemical Formula:	Mixture
CAS Number:	Mixture
Other Designations:	Cationic Quick Set Asphalt Emulsion
General Use:	Asphalt Paving and Sealing
Manufacturer:	ERGON Asphalt & Emulsions, Inc.; P O Box 1639; Jackson MS 39215-1639; Phone 601-933-3000; Hours of Operation 8:00 am – 5:00 pm; ERGON 24 Hour Emergency Phone Number 1-800-222-7122; CHEMTREC 1-800-424-9300.

Section 2 – Composition / Information on Ingredients

Ingredient Name	CAS Number	% Vol
Asphalt Cement	8052-42-4	66-71%
Water	7732-18-5	28-34%
Cationic Emulsifier	Listed in TSCA Inventory	<1%
Saponifier	7647-01-0	<1%

INGREDIENT	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Asphalt Cement	None estab.	None estab.	0.5 mg/m ³ (inhalable fraction, as benzene-soluble aerosol)	None estab.	None estab.	5 mg/m ³ (ceiling)	None estab.
Water	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.	None estab.
Cationic Emulsifier	400 ppm	500 ppm	400 ppm	500 ppm	None estab.	None estab.	None estab.
Saponifier	None estab.	5 ppm (ceiling)	None estab.	2 ppm (ceiling)	None estab.	5 ppm (ceiling)	50 ppm

Section 3 – Hazards Information

EMERGENCY OVERVIEW

<p align="center">HMIS H-2 F-1 R-0 PPE* * Sec.8</p>

POTENTIAL HEALTH EFFECTS

Primary Entry Routes: Inhalation and absorption.

Target Organs: Mucous membranes, skin, and digestive tract.

Acute Effects

Inhalation: Irritating to mucous membranes and respiratory tract. May produce symptoms such as headache, dizziness, nausea, vomiting, and loss of coordination.

Eye: Highly irritating; a significant thermal hazard under normal usage due to high temperatures required for application.

Skin: Moderately irritating; hot asphalt will cause severe burns. May lead to photosensitization and drying of the skin.

Ingestion: Irritating to mucous membranes and gastrointestinal tract. May cause thermal burns as well as nausea, vomiting and diarrhea.

Carcinogenicity: IARC, NTP, and OSHA do not list this product as carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Dermatitis.

Chronic Effects: Prolonged and repeated skin contact may cause dermatitis, photosensitization, and melanosis. Evidence from animal studies suggest that asphalt left on the skin for long periods of time may result in local carcinomas, but there have been no reports of such effects on human skin that can be attributed to asphalt alone.

Section 4 – First Aid Measures

Inhalation: Remove to fresh air. Apply artificial respiration if needed. Seek medical attention.

Eye Contact: Flush thoroughly with water for at least 15 minutes. If burning persists seek medical attention.

Skin Contact: If molten asphalt strikes the exposed skin, cool the skin immediately by quenching with cold water. Wash thoroughly with soap and water. Do not use harsh solvents to remove asphalt from skin. Lotion or hand cream may aid in the removal of asphalt. Cover with a sterile dressing. Seek medical attention if needed.

Ingestion: Do not induce vomiting and seek medical help.

After first aid, get appropriate in-plant paramedic or community medical support.

Special Precautions/Procedures: The petroleum hydrocarbons in this product are a complex mixture of paraffinic, naphthenic, and aromatic hydrocarbons. As with other petroleum products, the aromatic compounds are present in varying concentrations and structures. Some of these compounds may be those which have been shown to result in tumor formation in animals under laboratory conditions. The concentrations of aromatic compounds in this product require that the precautions outlined in this MSDS be followed to minimize personnel exposure.

Provide adequate ventilation to keep vapors below allowable exposure levels. Use PPE appropriate for the task.

Section 5 – Fire Fighting Measures

Flash Point: 400°F (204°C)

Flash Point Method: COC

Auto Ignition Temperature: >700°F (>370°C)

LEL: NA

UEL: NA

Flammability Classification: Class IIIB

Extinguishing Media: Dry chemical, foam and carbon dioxide.

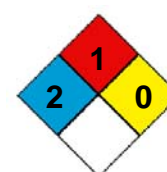
Unusual Fire or Explosion Hazards: This product may ignite when sufficient heat is applied. Check for combustible vapors prior to and during welding or torch cutting on vessels or tanks. It has been found that in hot storage tanks low flash substances may accumulate in the vapor space. The flammability characteristics will not be detected by any flash point method. Keep ignition sources away from tank vents and prevent accumulation of pyrophoric iron sulfide.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, and sulfur dioxide.

Fire-Fighting Instructions: Use of foam or water may cause frothing. Do not release runoff from fire control methods to sewers or waterways. Use a water supply to cool fire-exposed containers.

Fire-Fighting Equipment: Use self-contained breathing apparatus in enclosed areas where heavy smoke may occur.

NFPA



Section 6 – Accidental Release Matters

Spill/Leak Procedures: Stop spill at source. Confine spill by diking or impoundment. Remove sources of heat or ignition. Clean-up spill but do not flush to sewer or surface water. Ventilate area and avoid breathing vapors or mists.

Small Spills: Stop spill at source if possible. Isolate and confine by diking, or similar method. Remove discharged material.

Large Spills:

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

Cleanup: Allow material to cool. Mix with inert absorbent material such as soil, sand, or oil dry, to stabilize.

Regulatory Requirements: Notify local health and pollution control agencies as appropriate. Follow applicable OSHA regulations (29 CFR 1900.120). This material is not a hazardous waste as defined in RCRA. For disposal follow all federal, state, and local regulations regarding solid waste.

Section 7 – Handling and Storage

Handling Precautions: This product is a mixture of water and asphalt. Heating this mixture above 190°F can cause the water portion to boil. This may result in frothing of the mixture causing hot asphalt to overflow the container. Hydrogen sulfide may be emitted from heated asphalt and may accumulate in storage tanks and bulk transport containers.

Storage Requirements: Ground and bond all transfer and storage equipment. Ventilation is required only in enclosed areas where the emulsion is subjected to severe conditions of heat or agitation.

Regulatory Requirements: None known.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls: Not applicable.

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. Self-contained, positive-pressure breathing apparatus when used in confined or enclosed space or when exposure limits are exceeded or hydrogen sulfide is unknown or exceeds 20 ppm. Organic vapor respirators can be used with good ventilation when organic vapors are less than 1000 ppm or ten times permissible exposure limit, whichever is less. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes: procedures for selecting respirators; medical evaluation; fit testing; use in routine and emergency situations; cleaning, disinfecting, storing, inspecting, repairing, discarding and maintaining respirators; adequate air quality, quantity and flow; training in respiratory hazards; training in use of respirators; evaluation of effectiveness of respiratory program.

Protective Clothing/Equipment: Wear protective gloves, boots, aprons, and gauntlets as need to prevent prolonged or repeated skin contact. Goggles and face shields should be used in areas where splashing may occur. Wear protective eyeglasses or safety goggles per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, or smoking.

Section 9 – Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Brown-black liquid with a mild odor

Odor Threshold: Tar odor

Vapor Pressure: <1 mm Hg at 70°F (20°C)

Vapor Density (Air = 1): >1

Formula Weight: Est. 250 lb/lb-mole

Density: 8.3-8.5 lb/gal

Specific Gravity (H₂O = 1, at 4°C): 1.01

pH: 2.0–4.0

Water Solubility: Slightly soluble.

Other Solubilities: No data.

Boiling Point: 212°F

Freezing/Melting Point: No data.

Viscosity: No data.

Refractive Index: No data.

Surface Tension: No data.

% Volatile: <2%

Evaporation Rate: <1

Section 10 – Stability and Reactivity

Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Strong oxidizing agents; Anionic emulsions.

Conditions to Avoid: Do not overheat product.

Hazardous Decomposition Products: Primary decomposition products are carbon monoxide, carbon dioxide, and water. Combustion products may include sulfur oxides and hydrogen sulfide.

Section 11 – Toxicological Information

Eye Effects: Vapors may cause a slight smarting of the eyes or respiratory system if present in high concentrations. The effect is temporary.

Acute Inhalation Effects: Human, inhalation, TC_{LO}: No data.

Carcinogenicity: Not a known human carcinogen.

Teratogenicity: No data.

Chronic Effects: Prolonged and repeated skin contact may cause dermatitis, photosensitization, and melanosis. Evidence from animal studies suggest that asphalt left on the skin for long periods of time may result in local carcinomas, but there have been no reports of such effects on humans skin that can be attributed to asphalt alone.

Skin Effects: Causes smarting of the skin and first-degree burns on short exposure; may cause secondary burns on long exposure.

Acute Oral Effects: Rat, oral, LD₅₀: 5 to 15 g/kg

Mutagenicity: No data.

Section 12 – Ecological Information

Ecotoxicity: No data.

Environmental Fate:

Environmental Transport: No data.

Environmental Degradation: No data.

Soil Absorption/Mobility: No data.

Section 13 – Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements: Solidified waste material should not be a hazardous waste under RCRA guidelines. Follow Federal, state, and local regulations for disposal of solid waste.

Container Cleaning and Disposal: Recommend using a non-hazardous solvent to remove the product. Follow Federal, state, and local regulations for disposal of the waste material, regardless of its waste classification.

Section 14 – Transport Information

Shipping Name: Asphalt Emulsion Not Regulated	Packaging Authorizations:	Quantity Limitations:
Shipping Symbols: NA	a) Exceptions: NA	a) Passenger, Aircraft, or Railcar: NA
Hazard Class: NA	b) Non-bulk Packaging: NA	b) Cargo Aircraft Only: NA
ID No.: NA	c) Bulk Packaging: NA	Vessel Stowage Requirements:
Packing Group: NA		a) Vessel Stowage: NA
Label: NA		b) Other: NA
Special Provisions (172.102): NA		

Section 15 – Regulatory Information

EPA Regulations:

RCRA

RCRA Hazardous Waste Number: Not listed.

RCRA Hazardous Waste Classification (40 CFR 261): This material should not be hazardous due to characteristics.

CERCLA

CERCLA: Not listed.

CERCLA Reportable Quantity (RQ): This material is not a listed hazardous substance and does not have a reportable quantity. However, if spilled into waters of the U.S., it may be reportable under the Clean Water Act.

SARA

SARA 311/312 Codes: Not Listed

SARA Toxic Chemical: Not listed.

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed.

OSHA Regulations

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): See Table in Section 2.

OSHA Specifically Regulated Substance: No

State Regulations: Listed in state hazardous substance list for CA and MN as Asphalt (petroleum fumes; FL, MA, NJ, as Asphalt fumes; and PA as Asphalt.

Section 16 – Other Information**Revision Notes:**

Additional Hazard Rating Systems: NAS Hazard Rating for Bulk Water Transportation of asphalt:

Fire – 1, Health – 2, Water Pollution – 1, Reactivity -0.

Disclaimer: ERGON ASPHALT & EMULSIONS, INC. (EAE) PROVIDES THIS INFORMATION FOR THE USER'S CONSIDERATION. EAE BELIEVES THIS INFORMATION IS ACCURATE, BUT NOT ALL INCLUSIVE IN ALL CIRCUMSTANCES. USER SHOULD ENSURE THAT USER HAS CURRENT DATA RELEVANT FOR ITS PURPOSES. NO WARRANTY, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY, FITNESS OR OTHERWISE IS GIVEN.

1. Product and Company Identification

Material name SS-1
Version # 02
Revision date 10-11-2011
CAS # Mixture
Manufacturer: Ergon Asphalt & Emulsions, Inc.
Address: P O Box 1639
 Jackson MS 39215-1639
Contact Name: Mary Ellen Snow
Telephone: 601-933-3540; 24-hour Customer Service 1-800-222-7122
E-mail: mary.snow@ergon.com
CHEMTREC: 1-800-424-9300

2. Hazards Identification

Emergency overview Irritating to skin. Prolonged exposure may cause chronic effects.
Potential health effects
Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.
Eyes Contact may irritate or burn eyes.
Skin Irritating to skin. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Avoid contact with the skin.
Inhalation May be irritating. Prolonged inhalation may be harmful.
Ingestion Do not ingest.
Target organs Eyes. Skin. Central nervous system.
Chronic effects Conjunctiva. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Signs and symptoms Irritation of eyes and mucous membranes. Skin irritation.

3. Composition / Information on Ingredients

Hazardous components	CAS #	Percent
ASPHALT	8052-42-4	50 - 100
Non-hazardous components	CAS #	Percent
WATER	7732-18-5	20 - 50
Other components below reportable levels		0.0001 - 20

4. First Aid Measures

First aid procedures
Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin contact Wash off with warm water and soap. Get medical attention if irritation develops and persists.
Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If ingestion of a large amount does occur, call a poison control center immediately.
Notes to physician Symptoms may be delayed.
General advice If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties	Do not use forced stream as this could cause fire to spread.
Extinguishing media	
Suitable extinguishing media	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Protection of firefighters	
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases. H ₂ S
Specific methods	In the event of fire and/or explosion do not breathe fumes. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

6. Accidental Release Measures

Personal precautions	Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods for containment	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent entry into waterways, sewer, basements or confined areas.
Methods for cleaning up	Dike far ahead of spill for later disposal. Never return spills in original containers for re-use. Shovel the material into waste container.

7. Handling and Storage

Handling	All equipment used when handling the product must be grounded. Do not get this material in contact with eyes. Avoid contact with skin. Do not use in areas without adequate ventilation. This product is a mixture of water and asphalt. Heating to temperatures above 190°F can cause the water portion to boil, causing excessive frothing resulting in hot asphalt overflow. Avoid prolonged exposure. Hydrogen sulfide (H ₂ S) may be given off when this material is heated. Do not depend on sense of smell for warning. Wash thoroughly after handling. Avoid release to the environment.
Storage	Keep away from heat and sources of ignition. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a well-ventilated place. Keep container tightly closed. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH

Components

ASPHALT (8052-42-4)

Type

TWA

Value

0.5000 mg/m³

Form

Inhalable fraction.

Engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Personal protective equipment	
Eye / face protection	Do not get in eyes. Chemical goggles are recommended.
Skin protection	Avoid contact with the skin. Wear appropriate chemical resistant clothing. Chemical resistant gloves.
Respiratory protection	If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
General hygiene considerations	When using do not smoke. Do not get in eyes. Avoid contact with skin. Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	Viscous liquid
Color	Black.

Odor	Mild Petroleum Odor
Odor threshold	Not available.
Physical state	Liquid.
Form	Liquid.
pH	8.5 - 10.6
Melting point	Not available.
Freezing point	Not available.
Boiling point	212 °F (100 °C)
Flash point	Not available.
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	> 1
Specific gravity	1.01
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	> 700 °F (> 371.1 °C)
Decomposition temperature	Not available.
VOC	Not available.
Percent volatile	2 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable under normal temperature conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Local effects	Components of the product may be absorbed into the body through the skin. Irritating to skin. Contact may irritate or burn eyes.
Chronic effects	Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged exposure may cause chronic effects.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
ACGIH Carcinogens	
ASPHALT (CAS 8052-42-4)	A4 Not classifiable as a human carcinogen.
IARC Monographs. Overall Evaluation of Carcinogenicity	
ASPHALT (CAS 8052-42-4)	2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans.

12. Ecological Information

Ecotoxicity	Contains a substance which causes risk of hazardous effects to the environment.
Environmental effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability	Not available.

13. Disposal Considerations

Disposal instructions Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

14. Transport Information

DOT

Not regulated as dangerous goods.

15. Regulatory Information

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

ASPHALT (CAS 8052-42-4) Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

ASPHALT (CAS 8052-42-4) Listed: January 1, 1990 Carcinogenic.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

ASPHALT (CAS 8052-42-4) Listed.

US - Pennsylvania RTK - Hazardous Substances: Special hazard

ASPHALT (CAS 8052-42-4) Special hazard.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 2
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Issue date

10-11-2011