



SAFETY DATA SHEET

US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 03-Jun-2022                      Revision Date 03-Jun-2022                      Revision Number 1

1. Identification

Product identifier

Product Name                      Diesel Recovery

Other means of identification

Product Code(s)                      DRC

UN/ID no                      UN1993

Synonyms                      None

Recommended use of the chemical and restrictions on use

Recommended use                      Diesel fuel Additive

Restrictions on use                      Avoid formation of mists

Details of the supplier of the safety data sheet

Initial supplier identifier

AMSOIL INC.  
Bay Adelaide Centre, East  
Tower  
22 Adelaide St. W  
Toronto, ON, Canada M5H 4E3  
T:+1 877-822-5172

Manufacturer Address

AMSOIL INC.  
One AMSOIL Center  
Superior, WI 54880, USA  
T: +1 715-392-7101

E-mail

compliance@amsoil.com

Emergency telephone number

Emergency telephone                      CHEMTREC: Within USA and Canada: 1-800-424-9300  
Outside the USA and Canada: +1 703-741-5970  
(collect calls accepted) 24/7

2. Hazard(s) identification

Classification

|                                                  |             |
|--------------------------------------------------|-------------|
| Carcinogenicity                                  | Category 1B |
| Specific target organ toxicity (single exposure) | Category 3  |
| Aspiration hazard                                | Category 1  |
| Flammable liquids                                | Category 3  |

Label elements

Danger

Hazard statements

Flammable liquid and vapor.  
May cause cancer.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
May be fatal if swallowed and enters airways.



**Precautionary Statements - Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection and face protection. Avoid breathing dust, fume, gas, mist, vapors and spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting and .? equipment. Use only non-sparking tools. Take action to prevent static discharges. Keep cool.

**Precautionary Statements - Response**

Specific treatment (see supplemental first aid instructions on this label). IF exposed or concerned: Get medical advice/attention.

**Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water and then shower.

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion**

IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting.

**Fire**

In case of fire: Use CO2, dry chemical, or foam to extinguish.

**Precautionary Statements - Storage**

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

**Precautionary Statements - Disposal**

Dispose of contents and container to an approved waste disposal plant.

**Other information**

May be harmful in contact with skin. Causes mild skin irritation. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

| Chemical name | CAS No   | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|---------------|----------|----------|------------------------------------------------------------------------------|-------------------------------------------------------------|
| Naphthalene   | 91-20-3  | 0.1-1    | -                                                                            | -                                                           |
| Ethylbenzene  | 100-41-4 | 0.1-1    | -                                                                            | -                                                           |

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**Chemical Additions**

The classification as a carcinogen does not apply as it can be shown that the substance(s) contain(s) less than 3% DMSO extract as measured by IP 346.

4. First-aid measures

Description of first aid measures

|                                    |                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice                     | IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.                                                                                                                                                                                                                                      |
| Inhalation                         | Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur. |
| Eye contact                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.                                                                                                                                                                                                                                          |
| Skin contact                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.                                                                                                                                                                                                                                                                                         |
| Ingestion                          | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.                                                                                                                 |
| Self-protection of the first aider | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.                                         |

Most important symptoms and effects, both acute and delayed

|          |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms | May cause gastrointestinal discomfort if consumed in large amounts. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness and difficulty breathing. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation. |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Indication of any immediate medical attention and special treatment needed

|                    |                                                                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note to physicians | Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances. |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|

5. Fire-fighting measures

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media               | Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.                                                                                                                                                                                                                                                                                                                                                   |
| Unsuitable extinguishing media             | Do not use a solid water stream as it may scatter and spread fire.                                                                                                                                                                                                                                                                                                                                                         |
| Specific hazards arising from the chemical | Containers can burst or explode when heated, due to excessive pressure build-up. Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Thermal decomposition can lead to release of irritating gases and vapors. |
| Hazardous combustion products              | Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).                                                                                                                                                                                                                                                                                                                                                         |
| Explosion data                             |                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Sensitivity to mechanical impact           | None.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity to static discharge            | Yes.                                                                                                                                                                                                                                                                                                                                                                                                                       |



**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures**

Personal precautions, protective equipment and emergency procedures

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

**Other information** Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**For emergency responders** Use personal protection recommended in Section 8.

Methods and material for containment and cleaning up

**Methods for containment** Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

**Reference to other sections** For additional information see: Section 8: Exposure controls/personal protection; Section 12: Ecological information; Section 13: Disposal considerations.

**7. Handling and storage**

Precautions for safe handling

**Advice on safe handling** Avoid contact with used product. Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Do not reuse empty containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

**8. Exposure controls/personal protection**

Control parameters



**Exposure Limits** Under conditions which may generate mists, the following exposure limits are recommended: Long-term exposure limit (8-hour TWA): 5 mg/m³. Short-term exposure limit (15-minute): 10 mg/m³.

| Chemical name            | ACGIH TLV                                                              | OSHA PEL                                                                                                                                     | NIOSH                                                                               |                     |
|--------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|
| Naphthalene<br>91-20-3   | TWA: 10 ppm<br>S*                                                      | TWA: 10 ppm<br>TWA: 50 mg/m³<br>(vacated) TWA: 10 ppm<br>(vacated) TWA: 50 mg/m³<br>(vacated) STEL: 15 ppm<br>(vacated) STEL: 75 mg/m³       | IDLH: 250 ppm<br>TWA: 10 ppm<br>TWA: 50 mg/m³<br>STEL: 15 ppm<br>STEL: 75 mg/m³     |                     |
| Ethylbenzene<br>100-41-4 | Ototoxicant - potential to cause<br>hearing disorders<br>TWA: 20 ppm   | TWA: 100 ppm<br>TWA: 435 mg/m³<br>(vacated) TWA: 100 ppm<br>(vacated) TWA: 435 mg/m³<br>(vacated) STEL: 125 ppm<br>(vacated) STEL: 545 mg/m³ | IDLH: 800 ppm<br>TWA: 100 ppm<br>TWA: 435 mg/m³<br>STEL: 125 ppm<br>STEL: 545 mg/m³ |                     |
| Chemical name            | Alberta                                                                | British Columbia                                                                                                                             | Ontario                                                                             | Quebec              |
| Naphthalene<br>91-20-3   | TWA: 10 ppm<br>TWA: 52 mg/m³<br>STEL: 15 ppm<br>STEL: 79 mg/m³<br>Skin | TWA: 10 ppm<br>Skin                                                                                                                          | TWA: 10 ppm<br>Skin                                                                 | TWA: 10 ppm<br>Skin |
| Ethylbenzene<br>100-41-4 | TWA: 100 ppm<br>TWA: 434 mg/m³<br>STEL: 125 ppm<br>STEL: 543 mg/m³     | TWA: 20 ppm                                                                                                                                  | TWA: 20 ppm                                                                         | TWA: 20 ppm         |

**Biological occupational exposure limits**

| Chemical name            | ACGIH                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------|
| Naphthalene<br>91-20-3   | - (1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis) - end of shift              |
| Ethylbenzene<br>100-41-4 | 0.15 g/g creatinine - urine (Sum of mandelic acid and phenylglyoxylic acid) - end of shift |

**Appropriate engineering controls**

**Engineering controls** Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

|                                        |                                                                                                                                                                                                                                    |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>             | If there is a risk of contact: Tight sealing safety goggles.                                                                                                                                                                       |
| <b>Hand protection</b>                 | If there is a risk of contact: Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Wear suitable gloves. Impervious gloves. |
| <b>Skin and body protection</b>        | If there is a risk of contact: Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.                                                                                               |
| <b>Respiratory protection</b>          | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.                                                           |
| <b>Environmental exposure controls</b> | Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained.                                                                            |
| <b>General hygiene considerations</b>  | Do not eat, drink or smoke when using this product. Contaminated work clothing must not                                                                                                                                            |



be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

|                |                          |
|----------------|--------------------------|
| Appearance     |                          |
| Physical state | Liquid                   |
| Color          | Amber                    |
| Odor           | Aromatic Hydrocarbons    |
| Odor threshold | No information available |

| Property                                | Values           | Remarks • Method  |
|-----------------------------------------|------------------|-------------------|
| pH                                      |                  | No data available |
| Melting point / freezing point          |                  | No data available |
| Initial boiling point and boiling range |                  | No data available |
| Flash point                             | 46 °C / 114.8 °F | Tag Closed Cup    |
| Evaporation rate                        |                  | No data available |
| Flammability                            |                  | No data available |
| Flammability Limit in Air               |                  |                   |
| Upper flammability or explosive limits  |                  | No data available |
| Lower flammability or explosive limits  |                  | No data available |
| Vapor pressure                          |                  | No data available |
| Vapor density                           |                  | No data available |
| Relative density                        | 0.8724           | No data available |
| Water solubility                        |                  | No data available |
| Solubility(ies)                         |                  | No data available |
| Partition coefficient                   |                  | No data available |
| Autoignition temperature                |                  | No data available |
| Decomposition temperature               |                  | No data available |
| Kinematic viscosity                     | 0.88 cSt @ 40 °C | ASTM D445         |
| Dynamic viscosity                       |                  | No data available |

|                      |                           |
|----------------------|---------------------------|
| Other information    |                           |
| Explosive properties | No information available. |
| Oxidizing properties | No information available. |
| Softening point      | No information available  |
| Molecular weight     | No information available  |
| VOC Content (%)      | No information available  |
| Liquid Density       | No information available  |
| Bulk density         | No information available  |

10. Stability and reactivity

|                                    |                                                                                                                                                        |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | None under normal use conditions.                                                                                                                      |
| Chemical stability                 | Stable under normal conditions.                                                                                                                        |
| Possibility of hazardous reactions | None under normal processing.                                                                                                                          |
| Conditions to avoid                | Heat, flames and sparks.                                                                                                                               |
| Incompatible materials             | None known based on information supplied.                                                                                                              |
| Hazardous decomposition products   | Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). |

11. Toxicological information



Information on likely routes of exposure

Product Information

|              |                                                                                                                                                                                                                                                                |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation   | Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness. |
| Eye contact  | Specific test data for the substance or mixture is not available. May cause irritation.                                                                                                                                                                        |
| Skin contact | Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available. Causes mild skin irritation. May be harmful in contact with skin.                                                                      |
| Ingestion    | Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.               |

Symptoms related to the physical, chemical and toxicological characteristics

|          |                                                                                                                                                                                                                                                                                                                                                        |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms | Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged contact may cause redness and irritation. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness and difficulty breathing. |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

|                 |                |
|-----------------|----------------|
| ATEmix (dermal) | 2,095.40 mg/kg |
|-----------------|----------------|

Component Information

| Chemical name | Oral LD50            | Dermal LD50              | Inhalation LC50         |
|---------------|----------------------|--------------------------|-------------------------|
| Naphthalene   | = 1110 mg/kg ( Rat ) | = 1120 mg/kg ( Rabbit )  | > 0.4 mg/L ( Rat ) 4 h  |
| Ethylbenzene  | = 3500 mg/kg ( Rat ) | = 15400 mg/kg ( Rabbit ) | = 17.4 mg/L ( Rat ) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                   |                                                                                                                     |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Skin corrosion/irritation         | Classification based on data available for ingredients. Causes mild skin irritation.                                |
| Serious eye damage/eye irritation | No information available.                                                                                           |
| Respiratory or skin sensitization | No information available.                                                                                           |
| Germ cell mutagenicity            | No information available.                                                                                           |
| Carcinogenicity                   | Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name            | ACGIH | IARC     | NTP                    | OSHA |
|--------------------------|-------|----------|------------------------|------|
| Naphthalene<br>91-20-3   | A3    | Group 2B | Reasonably Anticipated | X    |
| Ethylbenzene<br>100-41-4 | A3    | Group 2B | -                      | X    |

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)



A3 - Animal Carcinogen  
**IARC (International Agency for Research on Cancer)**  
Group 2B - Possibly Carcinogenic to Humans  
**NTP (National Toxicology Program)**  
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen  
**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**  
X - Present

**Reproductive toxicity** No information available.

**STOT - single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.

**STOT - repeated exposure** No information available.

**Aspiration hazard** May be fatal if swallowed and enters airways.

12. Ecological information

**Ecotoxicity** Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

| Chemical name            | Algae/aquatic plants                                  | Fish                                                | Toxicity to microorganisms | Crustacea                                    |
|--------------------------|-------------------------------------------------------|-----------------------------------------------------|----------------------------|----------------------------------------------|
| Naphthalene<br>91-20-3   | -                                                     | LC50: 0.91 - 2.82mg/L<br>(96h, Oncorhynchus mykiss) | -                          | EC50: 1.09 - 3.4mg/L<br>(48h, Daphnia magna) |
| Ethylbenzene<br>100-41-4 | EC50: >438mg/L (96h, Pseudokirchneriella subcapitata) | LC50: 11.0 - 18.0mg/L<br>(96h, Oncorhynchus mykiss) | -                          | EC50: 1.8 - 2.4mg/L<br>(48h, Daphnia magna)  |

**Persistence and degradability** No information available.

Bioaccumulation

Component Information

| Chemical name            | Partition coefficient |
|--------------------------|-----------------------|
| Naphthalene<br>91-20-3   | 3.4                   |
| Ethylbenzene<br>100-41-4 | 3.6                   |

**Mobility in soil** No information available.

**Other adverse effects** No information available.

13. Disposal considerations

Waste treatment methods

**Waste from residues/unused products** Should not be released into the environment, Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**California waste information** This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. Transport information



DOT

|                                       |                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| UN/ID no                              | UN1993                                                                                                                    |
| Proper shipping name                  | FLAMMABLE LIQUIDS, N.O.S.                                                                                                 |
| Transport hazard class(es)            | 3                                                                                                                         |
| Packing group                         | III                                                                                                                       |
| Reportable Quantity (RQ)              | (Xylene: RQ (kg)= 45.40, Naphthalene: RQ (kg)= 45.40) Xylene: RQ (lb)= 100.00, Naphthalene: RQ (lb)= 100.00               |
| Reportable quantity kg (calculated)   | Xylene: RQ (kg)= 18380.00, Naphthalene: RQ (kg)= 18380.00                                                                 |
| Reportable quantity lbs. (calculated) | Xylene: RQ (lb)= 40484.00, Naphthalene: RQ (lb)= 40484.00                                                                 |
| Special Provisions                    | B1, B52, IB3, T4, TP1, TP29                                                                                               |
| DOT Marine Pollutant                  | I                                                                                                                         |
| Marine pollutant                      | Hydrogenated base oil, Hydrogenated base oil                                                                              |
| Description                           | UN1993, FLAMMABLE LIQUIDS, N.O.S. (Ethylbenzene), 3, III, Marine pollutant (Hydrogenated base oil, Hydrogenated base oil) |
| Emergency Response Guide Number       | 128                                                                                                                       |

TDG

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| UN/ID no                   | UN1993                                                  |
| Proper shipping name       | FLAMMABLE LIQUID, N.O.S.                                |
| Transport hazard class(es) | 3                                                       |
| Packing group              | III                                                     |
| Special Provisions         | 16, 150                                                 |
| Marine pollutant           | Hydrogenated base oil, Hydrogenated base oil.           |
| Description                | UN1993, Flammable liquid, n.o.s. (Ethylbenzene), 3, III |

IATA

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| UN number or ID number     | UN1993                                                  |
| UN proper shipping name    | Flammable liquid, n.o.s.                                |
| Transport hazard class(es) | 3                                                       |
| Packing group              | III                                                     |
| ERG Code                   | 3L                                                      |
| Special Provisions         | A3                                                      |
| Description                | UN1993, Flammable liquid, n.o.s. (Ethylbenzene), 3, III |

IMDG

|                            |                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------|
| UN number or ID number     | UN1993                                                                                 |
| UN proper shipping name    | FLAMMABLE LIQUID, N.O.S.                                                               |
| Transport hazard class(es) | 3                                                                                      |
| Packing group              | III                                                                                    |
| EmS-No                     | F-E, S-E                                                                               |
| Special Provisions         | 223, 274, 955                                                                          |
| Marine pollutant           | P                                                                                      |
| Marine pollutant           | Hydrogenated base oil                                                                  |
| Description                | UN1993, FLAMMABLE LIQUID, N.O.S. (Ethylbenzene), 3, III, (46°C C.C.), Marine pollutant |

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories

Contact supplier for inventory compliance status  
\*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| Chemical name           | SARA 313 - Threshold Values % |
|-------------------------|-------------------------------|
| Naphthalene - 91-20-3   | 0.1                           |
| Ethylbenzene - 100-41-4 | 0.1                           |

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

| Chemical name         | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|-----------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Naphthalene 91-20-3   | 100 lb                      | X                      | X                         | X                          |
| Ethylbenzene 100-41-4 | 1000 lb                     | X                      | X                         | X                          |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name         | Hazardous Substances RQs | Extremely Hazardous Substances RQs | Reportable Quantity (RQ)                  |
|-----------------------|--------------------------|------------------------------------|-------------------------------------------|
| Naphthalene 91-20-3   | 100 lb                   | -                                  | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |
| Ethylbenzene 100-41-4 | 1000 lb                  | -                                  | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

| Chemical name           | California Proposition 65 |
|-------------------------|---------------------------|
| Ethylbenzene - 100-41-4 | Carcinogen                |
| Naphthalene - 91-20-3   | Carcinogen                |
| Cumene - 98-82-8        | Carcinogen                |
| Toluene - 108-88-3      | Developmental             |

U.S. State Right-to-Know Regulations

| Chemical name                     | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------------|------------|---------------|--------------|
| Benzene, 1,2,4-trimethyl- 95-63-6 | X          | X             | X            |
| Naphthalene 91-20-3               | X          | X             | X            |



|                          |   |   |   |
|--------------------------|---|---|---|
| Ethylbenzene<br>100-41-4 | X | X | X |
| Xylene<br>1330-20-7      | X | X | X |
| Cumene<br>98-82-8        | X | X | X |
| Toluene<br>108-88-3      | X | X | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

| Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION |                             |      |                                  |
|---------------------------------------------------------|-----------------------------|------|----------------------------------|
| TWA                                                     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling                                                 | Maximum limit value         | *    | Skin designation                 |

**Key literature references and sources for data used to compile the SDS**  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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End of Safety Data Sheet

