SAFETY DATA SHEET

Revision Date 31-Jul-2017  SDS Number 888100008793  Revision Number 1.01

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product Name: Fuel Oil


Recommended Use: Fuel

Uses advised against: All others

Manufacturer: Tesoro Refining & Marketing Co.
19100 Ridgewood Parkway
San Antonio, TX 78259

Emergency Telephone: Chemtrec: 1-800-424-9300
Tesoro Call Center: 1-877-783-7676

E-mail address: ProductStewardship@TSOCORP.com

2. HAZARDS IDENTIFICATION

Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable liquids</td>
<td>3</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>1</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>1B</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>1A</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>1B</td>
</tr>
<tr>
<td>Chronic Aquatic Toxicity</td>
<td>3</td>
</tr>
</tbody>
</table>

Label elements

Danger

Flammable liquid and vapor
Toxic in contact with skin
May cause an allergic skin reaction
May cause genetic defects
May cause cancer
May damage fertility or the unborn child
Harmful to aquatic life with long lasting effects
Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves
Avoid release to the environment
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/or bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/equipment
Use only non-sparking tools
Take precautionary measures against static discharge

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Specific treatment (see .? on this label)
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
May be harmful if swallowed. Causes mild skin irritation. Harmful to aquatic life.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel oil, no.6</td>
<td>68553-00-4</td>
<td>0-100</td>
</tr>
<tr>
<td>Clarified oils (petroleum), catalytic cracked; Heavy Fuel oil</td>
<td>64741-62-4</td>
<td>0-100</td>
</tr>
<tr>
<td>4 to 6 Membered Condensed-Ring Aromatic Hydrocarbons</td>
<td>MIXTURE</td>
<td>0-&gt;5</td>
</tr>
<tr>
<td>Sulfur</td>
<td>7704-34-9</td>
<td>0-0.1</td>
</tr>
<tr>
<td>Polycyclic Aromatic Hydrocarbons</td>
<td>130498-29-2</td>
<td>0-1.5</td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>7783-06-4</td>
<td>0-0.2</td>
</tr>
<tr>
<td>Benzo[a]pyrene; Benzo[def]chrysene</td>
<td>50-32-8</td>
<td>0-0.2</td>
</tr>
</tbody>
</table>

The product contains no substances which at their given concentration, are considered to be hazardous to health.
4. FIRST AID MEASURES

Description of first aid measures

General advice
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. Remove from exposure, lie down. In case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt, seek medical advice. Never give anything by mouth to an unconscious person. Take off all contaminated clothing immediately and thoroughly wash material from skin.

Inhalation
Remove from exposure, lie down. If breathing has stopped, give artificial respiration. Get medical attention immediately. If breathing is difficult, administer oxygen. If symptoms persist, call a physician.

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. Get immediate medical advice/attention.

Skin contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention. May cause an allergic skin reaction.

Ingestion
Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/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. Wear personal protective clothing (see section 8). Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed

Symptoms

Indication of any immediate medical attention and special treatment needed

Note to physicians
May cause sensitization in susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Small Fire
Any extinguisher suitable for Class B fires, dry chemical, CO2, foam (AFFF/ATC), or water spray can be used.

Large Fire
Water spray, fog or alcohol-resistant foam. CAUTION: Use of water spray when fighting fire may be inefficient. Cool containers with flooding quantities of water until well after fire is out.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
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. Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous combustion products
Smoke, CO, and other products of incomplete combustion.
Explosion data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge Yes.

Special protective equipment for fire-fighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn.

Further information
ALWAYS stay away from tanks engulfed in fire. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Do not direct water at source of leak or safety devices; icing may occur. Cool containers with flooding quantities of water until well after fire is out. Do not allow run-off from fire-fighting to enter drains or water courses.

NFPA Health hazards 0 Flammability 2 Stability 0 Physical and chemical properties -

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.

Environmental precautions

Environmental precautions
Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

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
Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards
Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - 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. Take off contaminated clothing and wash before reuse. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.
Conditions for safe storage, including any incompatibilities

Storage Conditions
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Sulfide 7783-06-4</td>
<td>STEL: 5 ppm</td>
<td>(vacated) TWA: 10 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 1 ppm</td>
<td>(vacated) TWA: 14 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) STEL: 15 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) STEL: 21 mg/m³</td>
</tr>
<tr>
<td>Benzo[a]pyrene; Benzo[def]chrysene 50-32-8</td>
<td>-</td>
<td>TWA: 0.2 mg/m³</td>
</tr>
</tbody>
</table>

NOTE: Limits shown for guidance only. For additional information, OSHA’s 1989 air contaminants standard exposure limits provided even though the limits were vacated in 1992. State, local or other agencies or advisory groups may have established more stringent limits. Follow applicable regulations.

Appropriate engineering controls

Engineering controls
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection
Use goggles or face-shield where there is a possibility of splashing.

Hand Protection
Wear suitable gloves. Polyvinyl alcohol. Nitrile rubber. Neoprene gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and body protection
If there is a risk of contact:. Wear suitable protective clothing. Wear fire/flame resistant/retardant clothing.

Respiratory protection
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use a NIOSH approved respirator when there is a potential for airborne concentrations to exceed occupational exposure limits. Refer to OSHA 29 CFR 1910.134, ANSI Z88.2, NIOSH Respirator Decision Logic, and the respirator manufacturer for additional guidance on respiratory protection selection. A Self-Contained Breathing Apparatus (SCBA) should be used for fire fighting. Use a NIOSH approved positive-pressure supplied air respirator if there is a potential for uncontrolled release, exposure levels are unknown, in oxygen deficient (less than 19.5% oxygen), or any other circumstance where an air-purifying respirator may not provide adequate protection.

General hygiene considerations
Do not eat, drink or smoke when using this product. Contaminated work clothing should 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. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties
Physical State @20°C  Liquid
Appearance  Liquid
Odor  Petroleum asphalt
Color  Dark green to brown or black
Odor threshold  No data available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>32 °C / 90 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling range</td>
<td>154 - 154 to 372 °C</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>60 °C / 140 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Flammable vapor released by liquid</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air %</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>210</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>&gt;5</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>&gt;0.9 to 1.2</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>6 to 1400 mg/L at 25°C</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>3.4 to 5</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>&gt;176 °C / &gt;350 °F</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>&gt;300 cSt</td>
<td></td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
<td></td>
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<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
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</tr>
<tr>
<td>Minimum Ignition Energy (mJ)</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>K (bar.m/s)</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Softening point</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Bulk density</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Conductivity</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity  This product is non-reactive under normal conditions.
Chemical stability  Stable under recommended storage conditions.
Possibility of hazardous reactions  None under normal processing.
Conditions to avoid  Heat, flames and sparks.
Incompatible materials  Oxidizing or reducing agents. Acids. Alkali.
Hazardous decomposition products  None under normal use conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation  May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination. The burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels combustion products, including carbon monoxide (CO), and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death. Hydrogen sulfide can cause respiratory paralysis and death, depending on concentration and duration of exposure. The "rotten egg" odor of hydrogen sulfide is not a reliable indicator of exposure, since olfactory fatigue (loss of smell) will occur.
Eye contact
Specific test data for the substance or mixture is not available.

Skin contact
May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).

Ingestion
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be fatal if swallowed and enters airways.

Information on toxicological effects

Symptoms
Itching. Rashes. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity

Acute toxicity

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>LD50/dermal/rat - NO UNITS (Wizards mg/kg)</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel oil, no.6 68553-00-4</td>
<td>= 5300 mg/kg ( Rat )</td>
<td>&gt; 4874 mg/kg ( Rabbit )</td>
<td>-</td>
</tr>
<tr>
<td>Clarified oils (petroleum), catalytic cracked; Heavy Fuel oil 64741-62-4</td>
<td>4320 - 5270 mg/kg ( Rat )</td>
<td>&gt; 2000 mg/kg ( Rabbit )</td>
<td>&gt; 3700 mg/m³ ( Rat ) 4 h</td>
</tr>
<tr>
<td>Sulfur 7704-34-9</td>
<td>&gt; 3000 mg/kg ( Rat )</td>
<td>&gt; 2000 mg/kg ( Rabbit )</td>
<td>&gt; 9.23 mg/L ( Rat ) 4 h</td>
</tr>
<tr>
<td>Hydrogen Sulfide 7783-06-4</td>
<td>-</td>
<td>-</td>
<td>= 700 mg/m³ ( Rat ) 4 h</td>
</tr>
</tbody>
</table>

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

Chemical Name

Hydrogen Sulfide
Hydrogen Sulfide may be fatal if inhaled. The nervous system and respiratory tract are the main targets of hydrogen sulfide toxicity. Short term (acute) overexposure may cause irritation to the eyes, nose or throat. At high enough levels, effects on the nervous system include headaches, poor concentration, poor memory, unconsciousness, and death. Hydrogen sulfide has a strong odor that is characteristic of rotten eggs; however, the odor is not a reliable warning property as olfactory fatigue occurs at high levels. Respiratory distress or arrest can occur at high concentrations. Direct contact of the liquid with skin can cause frostbite; contact with the eyes can cause redness or severe burns. Cardiovascular effects have also been observed. NIOSH has determined that 100 ppm is immediately dangerous to life and health.

Benzo[a]pyrene; Benzo[def]chrysene
Acute (short-term) effects from inhalation exposure of polycyclic aromatic hydrocarbons (PAHs) have not been reported in humans or animals. Acute oral exposure can cause reproductive, developmental, and carcinogenic effects in mice. Acute, intermediate, and chronic dermal exposures have been noted to cause an increase in melanocytes, tumors, and skin hypersensitivity in animal studies. Intermediate oral exposure has also led to various systemic effects, such as alterations in organ body weight, and hematological, immunological, reproductive, and developmental effects in animals. Chronic (long-term) overexposures can cause respiratory effects in humans at 0.001 mg/m³. Human data specifically linking benzo[a]pyrene (BaP) to a carcinogenic effect are lacking; however, multiple animal studies in many species demonstrate BaP to be carcinogenic following administration by numerous routes, including oral, inhalation, and dermal routes. BaP also causes genotoxicity in numerous assays. Tumors at multiple sites in animals have been reported, including, but not limited to, lung, stomach, esophageal, mammary gland, lymphatic system, and liver. IARC has classified BaP as a known human carcinogen.
Health hazard and classification information

Skin Corrosion/Irritation Category  No information available.

Serious eye damage/eye irritation  No information available.

Germ cell mutagenicity  Classification based on data available for ingredients. Contains a known or suspected mutagen. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as mutagenic.

Carcinogenicity  Classification based on data available for ingredients. Contains a known or suspected carcinogen.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel oil, no.6 68553-00-4</td>
<td>-</td>
<td>Group 2B</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Benzo[a]pyrene; Benzo[def]chrysene 50-32-8</td>
<td>A2</td>
<td>Group 1</td>
<td>Reasonably Anticipated</td>
<td>X</td>
</tr>
</tbody>
</table>

Reproductive toxicity  Classification based on data available for ingredients. Contains a known or suspected reproductive toxin. The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

12. ECOLOGICAL INFORMATION

Additional Ecological Information  Release of this product should be prevented from contaminating soil and water and from entering drainage and sewer systems. U.S.A. regulations require reporting spills of this material that could reach any surface waters. The toll free number to the U.S. Coast Guard National Response Center is (800) 424-8802

Ecotoxicity  Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel oil, no.6 68553-00-4</td>
<td>-</td>
<td>48: 96 h Brachydanio rerio mg/L LC50 semi-static</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Clarified oils (petroleum), catalytic cracked; Heavy Fuel oil 64741-62-4</td>
<td>-</td>
<td>48: 96 h Brachydanio rerio mg/L LC50 semi-static</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sulfur 7704-34-9</td>
<td>-</td>
<td>14: 96 h Lepomis macrochirus mg/L LC50 static 866: 96 h Brachydanio rerio mg/L LC50 static 180: 96 h Oncorhynchus mykiss</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
Persistence and degradability
No information available.

Bioaccumulation
There is no data for this product.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Sulfide 7783-06-4</td>
<td>0.45</td>
</tr>
<tr>
<td>Benzo[a]pyrene; Benzo[def]chrysene 50-32-8</td>
<td>6.06</td>
</tr>
</tbody>
</table>

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
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 of weld containers.

US EPA Waste Number
U135 D001.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>RCRA</th>
<th>RCRA - Basis for Listing</th>
<th>RCRA - D Series Wastes</th>
<th>RCRA - U Series Wastes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycyclic Aromatic Hydrocarbons 130498-29-2</td>
<td>-</td>
<td>Included in waste stream: K022</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hydrogen Sulfide 7783-06-4</td>
<td>U135</td>
<td>-</td>
<td>-</td>
<td>U135</td>
</tr>
<tr>
<td>Benzo[a]pyrene; Benzo[def]chrysene 50-32-8</td>
<td>U022</td>
<td>Included in waste streams: F032, F034, F037, F038, F039, K001, K035, K141, K142, K144, K145, K147, K148, K170</td>
<td>-</td>
<td>U022</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

**DOT**
Not regulated

**TDG**
Not regulated

**MEX**
Not regulated

**IATA**
Not regulated
**UN/ID no**
UN9
**Packing group**
III
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Not Listed</td>
</tr>
<tr>
<td>DSL/NDSL</td>
<td>Not Listed</td>
</tr>
<tr>
<td>ENCS</td>
<td>Not Listed</td>
</tr>
<tr>
<td>IECSC</td>
<td>Not Listed</td>
</tr>
<tr>
<td>KECL</td>
<td>Not Listed</td>
</tr>
<tr>
<td>PICCS</td>
<td>Not Listed</td>
</tr>
<tr>
<td>AICS</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td></td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td></td>
</tr>
<tr>
<td>Fire hazard</td>
<td></td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td></td>
</tr>
</tbody>
</table>

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).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polycyclic Aromatic Hydrocarbons</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>130498-29-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrogen Sulfide</td>
<td>100 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>7783-06-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzo[a]pyrene; Benzo[def]chrysene</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>50-32-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CERCLA

The CERCLA definition of hazardous substances contains a “petroleum exclusion” clause which exempts crude oil, fractions of crude oil, and products (both finished and intermediate) from the crude oil refining process and any indigenous components of such from the CERCLA Section 103 reporting requirements. However, other federal reporting requirements, including SARA Section 304, as well as the Clean Water Act may still apply.

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

888100008793 Fuel Oil Page 10 / 11
U.S. State Right-to-Know Regulations

Chemical Name | New Jersey | Massachusetts | Pennsylvania |
--- | --- | --- | ---
Fuel oil, no.6 68553-00-4 | X | - | - |
Sulfur 7704-34-9 | X | X | X |
Polycyclic Aromatic Hydrocarbons 130498-29-2 | X | - | X |
Benzo[a]pyrene; Benzo[def]chrysene 50-32-8 | X | X | X |
Hydrogen Sulfide 7783-06-4 | X | X | X |

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Revision Date 31-Jul-2017
Revision Note No information available.

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End of Safety Data Sheet