

### SECTION 1: Identification

#### 1.1. Identification

Product form	: Substance
Trade name	: Low FP Diesel
Chemical name	: Diesel
CAS-No.	: 68476-34-6
Product code	: HF0017, HF0110, HF0126, HF0127, HF0128, HF0155, HF0159, HF0164, HF0323, HF0351, HF0363, HF0365, HF0372, HF0402, HF0508, HF0523, HF0574, HF0582, HF0609, HF0618, HF0621, HF0633, HF0635, HF0638, HF0639, HF0648, HF0649, HF0650, HF0659, HF0663, HF0670, HF0676, HF0682, HF0690, HF0695, HF0699, HF0703, HF0704, HF0710, HF0713, HF0724, HF0746, HF0755, HF0782, HF0795, HF0796, HF0797, HF0809, HF0825, HF0839, HF0855, HF0859, HF0860, HF0864, HF0873, HF0895, HF0921, HF0931, HF0932, HF0935, HF0961, HF0974, HF0976, HF0983, HF0991, HF0995, HF1001, HF1007, HF2010, HF2012, HF2013, HF2044, HF2051, HF2052, HF2092, HF2094, HF2096, HF2097, HF2130, HF2136, HF2140, HF2141, HF2147, HF2166, HF2175, HF2176, HF2188, HF2204, HF2207, HF2211, HF3027, BS275, etc.
Formula	: Unspecified
Synonyms	: Diesel fuel oil no. 2-D / Fuel oil, no. 2-D / Diesel fuel no. 2 / Fuels, diesel, no. 2 (A distillate oil having a minimum viscosity of 32.6 SUS at 37.7°C (100°F) to a maximum of 40.1 SUS at 37.7°C (100°F).) / Gasoil - unspecified / Diesel No. 2 / Fuels, diesel, No. 2

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Fuel for engine development and testing

#### 1.3. Supplier

##### Manufacturer

Haltermann Solutions<sup>™</sup>  
 15600 West Hardy Rd.  
 Houston, TX, 77060  
 USA  
 T 1-800-969-2542 - F 281-457-1469

#### 1.4. Emergency telephone number

Emergency number : 24 HR CHEMTREC: 1-800-424-9300; Emergency Assistance: 1-800-969-2542 (8 AM to 5 PM CDT)

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Flammable liquids Category 3	H226	Flammable liquid and vapor
Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation
Germ cell mutagenicity Category 1B	H340	May cause genetic defects
Carcinogenicity Category 2	H351	Suspected of causing cancer
Reproductive toxicity Category 2	H361	Suspected of damaging fertility or the unborn child
Specific target organ toxicity – Single exposure, Category 3, Narcosis	H336	May cause drowsiness or dizziness
Specific target organ toxicity – Single exposure, Category 3,	H335	May cause respiratory irritation
Respiratory tract irritation		

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Specific target organ toxicity (repeated exposure) Category 2	H373	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard Category 1	H304	May be fatal if swallowed and enters airways
Hazardous to the aquatic environment – Acute Hazard Category 2	H401	Toxic to aquatic life
Hazardous to the aquatic environment – Chronic Hazard Category 2	H411	Toxic to aquatic life with long lasting effects

Full text of H statements : see section 16

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H226 - Flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H340 - May cause genetic defects  
H351 - Suspected of causing cancer  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure  
H401 - Toxic to aquatic life  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS US)

: P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/Bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 - If swallowed: Immediately call a doctor, a POISON CENTER.  
P302+P352 - If on skin: Wash with plenty of soap and water.  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P312 - Call a doctor, a POISON CENTER if you feel unwell.  
P314 - Get medical advice/attention if you feel unwell.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P331 - Do NOT induce vomiting.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO2), dry extinguishing

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powder to extinguish.  
P391 - Collect spillage.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Chemical name : Diesel  
CAS-No. : 68476-34-6

Name	Product identifier	%
Diesel	CAS-No.: 68476-34-6	100
Petroleum Distillates	CAS-No.: 8002-05-9	70 – 80
Petroleum distillates, hydrotreated light	CAS-No.: 64742-47-8	5 – 15
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).]	CAS-No.: 64742-94-5	5 – 15
Distillates, petroleum, hydrotreated middle	CAS-No.: 64742-46-7	0 – 10
Solvent naphtha, petroleum, light aromatic	CAS-No.: 64742-95-6	0 – 5
xylene	CAS-No.: 1330-20-7	0 – 4
naphthalene	CAS-No.: 91-20-3	0 – 3
n-hexane	CAS-No.: 110-54-3	0 – 2
n-Heptane	CAS-No.: 142-82-5	0 – 2
Octane	CAS-No.: 111-65-9	0 – 2
Trimethylbenzenes	CAS-No.: 25551-13-7	0 – 2
1,2,4-trimethylbenzene	CAS-No.: 95-63-6	0 – 2
1,3,5-Trimethylbenzene	CAS-No.: 108-67-8	0 – 2
Cumene	CAS-No.: 98-82-8	0 – 2

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.

#### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: Flammable liquid and vapor.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

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### 6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Diesel (68476-34-6)</b>	
No additional information available	
<b>Petroleum Distillates (8002-05-9)</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL (TWA) [2]	500 ppm
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL (TWA) [2]	500 ppm
<b>Distillates, petroleum, hydrotreated middle (64742-46-7)</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL (TWA) [2]	500 ppm

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<b>n-hexane (110-54-3)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	n-Hexane
ACGIH OEL TWA [ppm]	50 ppm
Remark (ACGIH)	CNS impair; peripheral neuropathy; eye irr; Skin; BEI
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
Regulatory reference	ACGIH 2022
<b>USA - ACGIH - Biological Exposure Indices</b>	
BEI (BLV)	0.5 mg/l Parameter: 2,5-Hexanedione without hydrolysis - Medium: urine - Sampling time: end of shift
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	n-Hexane
OSHA PEL (TWA) [1]	1800 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]	500 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - IDLH - Occupational Exposure Limits</b>	
IDLH [ppm]	1100 ppm (10% LEL)
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA)	180 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]	50 ppm
<b>n-Heptane (142-82-5)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL STEL [ppm]	500 ppm (Heptane, all isomers)
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Heptane (n-Heptane)
OSHA PEL (TWA) [1]	2000 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]	500 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - IDLH - Occupational Exposure Limits</b>	
IDLH [ppm]	750 ppm
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA)	350 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]	85 ppm
NIOSH REL (Ceiling)	1800 mg/m <sup>3</sup>
NIOSH REL C [ppm]	440 ppm
<b>Octane (111-65-9)</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Octane

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<b>Octane (111-65-9)</b>	
OSHA PEL (TWA) [1]	2350 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]	500 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - IDLH - Occupational Exposure Limits</b>	
IDLH [ppm]	1000 ppm (10% LEL)
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA)	350 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]	75 ppm
NIOSH REL (Ceiling)	1800 mg/m <sup>3</sup>
NIOSH REL C [ppm]	385 ppm
<b>Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5)</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL (TWA) [2]	500 ppm
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
<b>USA - OSHA - Occupational Exposure Limits</b>	
OSHA PEL (TWA) [2]	500 ppm
<b>xylene (1330-20-7)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; hematologic eff; ototoxicity (for mixtures containing p-xylene); CNS impair. Notations: OTO (for mixtures containing p-xylene); A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2022
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	XYLENES (Technical or commercial grade)
BEI (BLV)	1.5 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift
Regulatory reference	ACGIH 2022
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Xylenes (o-, m-, p-isomers)
OSHA PEL (TWA) [1]	435 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>Trimethylbenzenes (25551-13-7)</b>	
No additional information available	

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<b>1,2,4-trimethylbenzene (95-63-6)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA [ppm]	25 ppm
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA)	125 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]	25 ppm
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
ACGIH OEL TWA [ppm]	25 ppm
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA)	125 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]	25 ppm
<b>Cumene (98-82-8)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Cumene
ACGIH OEL TWA [ppm]	5 ppm
Remark (ACGIH)	TLV® Basis: URT adenoma; neurological eff. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2022
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Cumene
OSHA PEL (TWA) [1]	245 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]	50 ppm
Limit value category (OSHA)	prevent or reduce skin absorption
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - IDLH - Occupational Exposure Limits</b>	
IDLH [ppm]	900 ppm (10% LEL)
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA)	245 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]	50 ppm
US-NIOSH chemical category	Potential for dermal absorption
<b>naphthalene (91-20-3)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Naphthalene
ACGIH OEL TWA [ppm]	10 ppm



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<b>naphthalene (91-20-3)</b>	
Remark (ACGIH)	Hematologic eff; URT & eye irr; Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans: The agent is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that may not be relevant to worker exposure. Available epidemiologic studies do not confirm an increased risk of cancer in exposed humans. Available evidence does not suggest that the agent is likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
Regulatory reference	ACGIH 2022
<b>USA - ACGIH - Biological Exposure Indices</b>	
Local name	NAPHTHALENE
BEI (BLV)	Parameter: 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis - Sampling time: end of shift (nonquantitative, nonspecific)
Regulatory reference	ACGIH 2022
<b>USA - OSHA - Occupational Exposure Limits</b>	
Local name	Naphthalene
OSHA PEL (TWA) [1]	50 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]	10 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
<b>USA - IDLH - Occupational Exposure Limits</b>	
IDLH [ppm]	250 ppm
<b>USA - NIOSH - Occupational Exposure Limits</b>	
NIOSH REL (TWA)	50 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]	10 ppm
NIOSH REL (STEL)	75 mg/m <sup>3</sup>
NIOSH REL STEL [ppm]	15 ppm

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

<b>Hand protection:</b>
Protective gloves
<b>Eye protection:</b>
Safety glasses
<b>Skin and body protection:</b>
Wear suitable protective clothing

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### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Wear respiratory protection.

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Pale yellow to brown if undyed red or purple if dyed
Odor	: mild
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 140 – 350 °C
Flash point	: > 38 – < 60.4 °C closed cup
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 32 – 51 °API
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Flammable liquid and vapor.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified.

<b>Diesel (68476-34-6)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	1 – 5 mg/l/4h
ATE US (vapors)	1 mg/l/4h
ATE US (dust, mist)	1 mg/l/4h
<b>Petroleum Distillates (8002-05-9)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.2 mg/l/4h
<b>Distillates, petroleum, hydrotreated middle (64742-46-7)</b>	
LD50 oral rat	7400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	4.6 mg/l/4h
ATE US (oral)	7400 mg/kg body weight
ATE US (vapors)	4.6 mg/l/4h
ATE US (dust, mist)	4.6 mg/l/4h
<b>n-hexane (110-54-3)</b>	
LD50 oral rat	25 g/kg
LD50 dermal rabbit	3000 mg/kg
LC50 Inhalation - Rat	> 17.6 mg/l air (Equivalent or similar to OECD 403, 24 h, Rat, Male, Experimental value, Inhalation (vapours))

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<b>n-hexane (110-54-3)</b>	
ATE US (oral)	25000 mg/kg body weight
ATE US (dermal)	3000 mg/kg body weight
<b>n-Heptane (142-82-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	3000 mg/kg
LC50 Inhalation - Rat	> 73.5 mg/l/4h
ATE US (dermal)	3000 mg/kg body weight
<b>Octane (111-65-9)</b>	
LC50 Inhalation - Rat	> 24.88 mg/l/4h
<b>Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 Inhalation - Rat	> 5.2 mg/l (Exposure time: 4 h)
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
LD50 oral rat	8400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat [ppm]	3400 ppm/4h
ATE US (oral)	8400 mg/kg body weight
ATE US (gases)	3400 ppmV/4h
<b>xylene (1330-20-7)</b>	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	> 4350 mg/kg
LC50 Inhalation - Rat	29.08 mg/l/4h
ATE US (oral)	3500 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
<b>Trimethylbenzenes (25551-13-7)</b>	
LD50 oral rat	8970 mg/kg
ATE US (oral)	8970 mg/kg body weight
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LD50 oral rat	3280 mg/kg
LD50 dermal rat	3440 mg/kg (24 h, Rat, Male / female, Read-across, Dermal)
LD50 dermal rabbit	> 3160 mg/kg

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<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LC50 Inhalation - Rat	18 g/m <sup>3</sup> (Exposure time: 4 h)
ATE US (oral)	3280 mg/kg body weight
ATE US (dermal)	3440 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	18 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
LC50 Inhalation - Rat	24 g/m <sup>3</sup> (Exposure time: 4 h)
ATE US (vapors)	24 mg/l/4h
ATE US (dust, mist)	24 mg/l/4h
<b>Cumene (98-82-8)</b>	
LD50 oral rat	2910 mg/kg body weight
LD50 dermal rabbit	12300 µl/kg
LC50 Inhalation - Rat	39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (oral)	2910 mg/kg body weight
ATE US (dermal)	10578 mg/kg body weight
ATE US (vapors)	39 mg/l/4h
ATE US (dust, mist)	39 mg/l/4h
<b>naphthalene (91-20-3)</b>	
LD50 oral rat	1110 mg/kg
LD50 oral	533 mg/kg body weight (Equivalent or similar to OECD 401, Mouse, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 16000 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 0.34 mg/l (Exposure time: 1 h)
ATE US (oral)	533 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation.
<b>n-hexane (110-54-3)</b>	
pH	7 (0.001 %, 25 °C)
<b>xylene (1330-20-7)</b>	
pH	No data available in the literature
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
pH	No data available in the literature
<b>naphthalene (91-20-3)</b>	
pH	No data available in the literature

Serious eye damage/irritation : Causes serious eye irritation.

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<b>n-hexane (110-54-3)</b>	
pH	7 (0.001 %, 25 °C)
<b>xylene (1330-20-7)</b>	
pH	No data available in the literature
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
pH	No data available in the literature
<b>naphthalene (91-20-3)</b>	
pH	No data available in the literature
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: May cause genetic defects.
Carcinogenicity	: Suspected of causing cancer.
<b>Petroleum Distillates (8002-05-9)</b>	
IARC group	3 - Not classifiable
<b>xylene (1330-20-7)</b>	
IARC group	3 - Not classifiable
<b>Cumene (98-82-8)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity
In OSHA Hazard Communication Carcinogen list	Yes
<b>naphthalene (91-20-3)</b>	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity
In OSHA Hazard Communication Carcinogen list	Yes
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
<b>naphthalene (91-20-3)</b>	
LOAEL (animal/female, F0/P)	50 mg/kg body weight Animal: rat, Animal sex: female, Guideline: other:OECD Guideline 414 (Prenatal Developmental Toxicity Study)
LOAEL (animal/female, F1)	450 mg/kg body weight Animal: rat, Animal sex: female, Guideline: other:OECD Guideline 414 (Prenatal Developmental Toxicity Study)
NOAEL (animal/female, F0/P)	120 mg/kg body weight Animal: rabbit, Animal sex: female, Guideline: other:OECD Guideline 414 (Prenatal Developmental Toxicity Study)
STOT-single exposure	: May cause drowsiness or dizziness. May cause respiratory irritation.
<b>Petroleum Distillates (8002-05-9)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>n-hexane (110-54-3)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>n-Heptane (142-82-5)</b>	
STOT-single exposure	May cause drowsiness or dizziness.

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<b>Octane (111-65-9)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>Cumene (98-82-8)</b>	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
<b>Petroleum Distillates (8002-05-9)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>n-hexane (110-54-3)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>xylene (1330-20-7)</b>	
LOAEL (oral, rat, 90 days)	150 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity)
<b>naphthalene (91-20-3)</b>	
LOAEL (oral, rat, 90 days)	400 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
LOAEC (inhalation, rat, vapor, 90 days)	0.011 mg/l air Animal: rat, Guideline: EPA OPP 82-4 (90-Day Inhalation Toxicity), Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
NOAEL (dermal, rat/rabbit, 90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: No data available
<b>n-hexane (110-54-3)</b>	
Viscosity, kinematic	No data available in the literature
<b>xylene (1330-20-7)</b>	
Viscosity, kinematic	0.74 mm <sup>2</sup> /s (20 °C)
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
Viscosity, kinematic	0.843 mm <sup>2</sup> /s (20 °C)
<b>Cumene (98-82-8)</b>	
Viscosity, kinematic	0.74 mm <sup>2</sup> /s (38 °C)
<b>naphthalene (91-20-3)</b>	
Viscosity, kinematic	1 mm <sup>2</sup> /s (80 °C, OECD 114: Viscosity of Liquids)
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

<b>Diesel (68476-34-6)</b>	
LC50 - Fish [1]	35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	6.4 mg/l 48 hr
<b>Petroleum Distillates (8002-05-9)</b>	
LC50 - Fish [1]	3 mg/l (Exposure time: 96 h - Species: Oncorhynchus Mykiss)
EC50 - Crustacea [1]	< 0.26 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LC50 - Fish [1]	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>Distillates, petroleum, hydrotreated middle (64742-46-7)</b>	
LC50 - Fish [1]	35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	> 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>n-Heptane (142-82-5)</b>	
LC50 - Fish [1]	375 mg/l (Exposure time: 96 h - Species: Cichlid fish)
EC50 - Crustacea [1]	> 10 mg/l 24hr
LC50 - Fish [2]	0.1 mg/l (Exposure time: 96 h - Species: Mysidopsis Bahia)
<b>Octane (111-65-9)</b>	
EC50 - Crustacea [1]	0.38 mg/l (Exposure time: 48 h - Species: water flea)
<b>Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5)</b>	
LC50 - Fish [1]	19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	0.95 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	2.34 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
LC50 - Fish [1]	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>xylene (1330-20-7)</b>	
LC50 - Fish [1]	13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	3.82 mg/l (Exposure time: 48 h - Species: water flea)
LC50 - Fish [2]	2.661 – 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [2]	0.6 mg/l (Exposure time: 48 h - Species: Gammarus lacustris)
ErC50 algae	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)



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<b>xylene (1330-20-7)</b>	
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'
<b>Trimethylbenzenes (25551-13-7)</b>	
LC50 - Fish [1]	7.72 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
LC50 - Fish [1]	7.19 – 8.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 96h - Algae [1]	2.356 mg/l (ECOSAR, Algae, Fresh water, QSAR)
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
LC50 - Fish [1]	3.48 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
<b>Cumene (98-82-8)</b>	
LC50 - Fish [1]	6.04 – 6.61 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	0.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [2]	7.9 – 14.1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
ErC50 algae	2.01 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)
<b>naphthalene (91-20-3)</b>	
LC50 - Fish [1]	5.74 – 6.44 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	2.16 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 - Fish [2]	1.6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [2]	1.96 mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])
EC50 72h - Algae [1]	0.4 mg/l (Skeletonema costatum, Literature study, Growth rate)
NOEC (chronic)	0.59 mg/l Test organisms (species): Daphnia pulex Duration: '125 d'
NOEC chronic fish	≈ 0.37 mg/l Test organisms (species): Oncorhynchus kisutch Duration: '40 d'
<b>12.2. Persistence and degradability</b>	
<b>n-hexane (110-54-3)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
ThOD	3.52 g O <sub>2</sub> /g substance
<b>xylene (1330-20-7)</b>	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
Persistence and degradability	Not readily biodegradable in water.
Chemical oxygen demand (COD)	0.44 g O <sub>2</sub> /g substance
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

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<b>Cumene (98-82-8)</b>	
Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.28 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	2.42 g O <sub>2</sub> /g substance
ThOD	3.2 g O <sub>2</sub> /g substance
<b>naphthalene (91-20-3)</b>	
Persistence and degradability	Not established.
Biochemical oxygen demand (BOD)	0 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	0.22 g O <sub>2</sub> /g substance
ThOD	2.99 g O <sub>2</sub> /g substance
<b>12.3. Bioaccumulative potential</b>	
<b>Petroleum Distillates (8002-05-9)</b>	
Bioaccumulative potential	Not bioaccumulative.
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
BCF - Fish [1]	61 – 159
<b>n-hexane (110-54-3)</b>	
BCF - Fish [1]	501.187 (Pimephales promelas, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	4 (Experimental value, Equivalent or similar to OECD 107, 20 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).
<b>n-Heptane (142-82-5)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.66
<b>Octane (111-65-9)</b>	
Partition coefficient n-octanol/water (Log Pow)	5.18
<b>Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5)</b>	
BCF - Fish [1]	61 – 159
Partition coefficient n-octanol/water (Log Pow)	2.9 – 6.1
<b>xylene (1330-20-7)</b>	
BCF - Fish [1]	0.6 – 15
Partition coefficient n-octanol/water (Log Pow)	2.77 – 3.15
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>1,2,4-trimethylbenzene (95-63-6)</b>	
BCF - Fish [1]	243 (Pimephales promelas, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.63
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

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<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
Bioaccumulative potential	Not established.

<b>Cumene (98-82-8)</b>	
BCF - Other aquatic organisms [1]	94.69 l/kg (BCFBAF v3.00, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	3.7
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>naphthalene (91-20-3)</b>	
BCF - Fish [1]	30 – 430
Partition coefficient n-octanol/water (Log Pow)	3.6
Bioaccumulative potential	Not established.

<b>12.4. Mobility in soil</b>	
<b>n-hexane (110-54-3)</b>	
Surface tension	17.89 mN/m (25 °C, 1 g/l)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.34 (log Koc, QSAR)
Ecology - soil	Low potential for mobility in soil.

<b>xylene (1330-20-7)</b>	
Surface tension	28.01 – 29.76 mN/m (25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.

<b>1,2,4-trimethylbenzene (95-63-6)</b>	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.04 (log Koc, Calculated value)
Ecology - soil	Low potential for mobility in soil. May be harmful to plant growth, blooming and fruit formation.

<b>Cumene (98-82-8)</b>	
Surface tension	28.2 mN/m (20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.946 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

<b>naphthalene (91-20-3)</b>	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.864 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

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### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Additional information : Flammable vapors may accumulate in the container.

## SECTION 14: Transport information

In accordance with DOT / IMDG / IATA

### 14.1. UN number

DOT NA No : NA1993  
UN-No. (IMDG) : 1993  
UN-No. (IATA) : 1993

### 14.2. UN proper shipping name

Proper Shipping Name (DOT) : Combustible liquid, n.o.s. (Diesel Fuel)  
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S. (Diesel Fuel)  
Proper Shipping Name (IATA) : Flammable liquid, n.o.s. (Diesel Fuel)  
Transport document description (DOT) : NA1993 Combustible liquid, n.o.s. (Diesel Fuel), 3, III  
Transport document description (IMDG) : UN 1993 FLAMMABLE LIQUID, N.O.S. (Diesel Fuel), 3, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS  
Transport document description (IATA) : UN 1993 Flammable liquid, n.o.s. (Diesel Fuel), 3, III, ENVIRONMENTALLY HAZARDOUS

### 14.3. Transport hazard class(es)

#### DOT

Transport hazard class(es) (DOT) : Combustible liquid



#### IMDG

Transport hazard class(es) (IMDG) : 3  
Hazard labels (IMDG) : 3



#### IATA

Transport hazard class(es) (IATA) : 3  
Hazard labels (IATA) : 3



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### 14.4. Packing group

Packing group (DOT)	: III
Packing group (IMDG)	: III
Packing group (IATA)	: III

### 14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes



Other information	: Transportation Notes: Material is not regulated by the U.S. DOT for ground transportation within the U.S. if shipped in non-bulk packaging (<119 gallons).
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### 14.6. Special precautions for user

<b>DOT</b>	
UN-No.(DOT)	: NA1993
DOT Special Provisions (49 CFR 172.102)	: IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2) T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3) TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
<b>IMDG</b>	
Special provision (IMDG)	: 223, 274, 955
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER
Stowage category (IMDG)	: A
<b>IATA</b>	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L

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Special provision (IATA) : A3  
ERG code (IATA) : 3L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Hexane	CAS-No. 110-54-3	0 – 2%
Xylenes (o-, m-, p- isomers)	CAS-No. 1330-20-7	0 – 4%
Benzene, 1,2,4-trimethyl-	CAS-No. 95-63-6	0 – 2%
Isopropylbenzene	CAS-No. 98-82-8	0 – 2%
Naphthalene	CAS-No. 91-20-3	0 – 3%

#### n-hexane (110-54-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	5000 lb
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#### xylene (1330-20-7)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	100 lb
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#### Cumene (98-82-8)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	5000 lb
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#### naphthalene (91-20-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	100 lb
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### 15.2. International regulations

#### CANADA

#### Diesel (68476-34-6)

Listed on the Canadian DSL (Domestic Substances List)

# Low FP Diesel

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### Petroleum Distillates (8002-05-9)

Listed on the Canadian DSL (Domestic Substances List)

### Petroleum distillates, hydrotreated light (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List)

### Distillates, petroleum, hydrotreated middle (64742-46-7)

Listed on the Canadian DSL (Domestic Substances List)

### n-hexane (110-54-3)

Listed on the Canadian DSL (Domestic Substances List)

### n-Heptane (142-82-5)

Listed on the Canadian DSL (Domestic Substances List)

### Octane (111-65-9)

Listed on the Canadian DSL (Domestic Substances List)

**Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5)**

Listed on the Canadian DSL (Domestic Substances List)

### Solvent naphtha, petroleum, light aromatic (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List)

### xylene (1330-20-7)

Listed on the Canadian DSL (Domestic Substances List)

### Trimethylbenzenes (25551-13-7)

Listed on the Canadian DSL (Domestic Substances List)

### 1,2,4-trimethylbenzene (95-63-6)

Listed on the Canadian DSL (Domestic Substances List)

### 1,3,5-Trimethylbenzene (108-67-8)

Listed on the Canadian DSL (Domestic Substances List)

### Cumene (98-82-8)

Listed on the Canadian DSL (Domestic Substances List)

### naphthalene (91-20-3)

Listed on the Canadian DSL (Domestic Substances List)

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### naphthalene (91-20-3)

Toxic Substance (CEPA – Schedule I)

Yes

### EU-Regulations

#### Diesel (68476-34-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Petroleum Distillates (8002-05-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Petroleum distillates, hydrotreated light (64742-47-8)

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#### n-Heptane (142-82-5)

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#### Octane (111-65-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

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Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Solvent naphtha, petroleum, light aromatic (64742-95-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### xylene (1330-20-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### Trimethylbenzenes (25551-13-7)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

#### 1,2,4-trimethylbenzene (95-63-6)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)



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### 1,3,5-Trimethylbenzene (108-67-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### Cumene (98-82-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### naphthalene (91-20-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### National regulations

#### Diesel (68476-34-6)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

#### Petroleum Distillates (8002-05-9)

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Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

#### Petroleum distillates, hydrotreated light (64742-47-8)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

#### Distillates, petroleum, hydrotreated middle (64742-46-7)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

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### n-hexane (110-54-3)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### n-Heptane (142-82-5)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### Octane (111-65-9)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### **Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5)**

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

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### Solvent naphtha, petroleum, light aromatic (64742-95-6)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### xylene (1330-20-7)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Japanese Poisonous and Deleterious Substances Control Law  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### Trimethylbenzenes (25551-13-7)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### 1,2,4-trimethylbenzene (95-63-6)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
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### 1,3,5-Trimethylbenzene (108-67-8)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### Cumene (98-82-8)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
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Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### naphthalene (91-20-3)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
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Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)  
Listed on the NCI (Vietnam - National Chemical Inventory)

### 15.3. US State regulations



#### WARNING:

This product can expose you to Isopropylbenzene, which is known to the State of California to cause cancer, and Hexane, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Component	State or local regulations
Petroleum Distillates(8002-05-9)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
n-hexane(110-54-3)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations

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Component	State or local regulations
n-Heptane(142-82-5)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
Octane(111-65-9)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
xylene(1330-20-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Trimethylbenzenes(25551-13-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
1,2,4-trimethylbenzene(95-63-6)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
1,3,5-Trimethylbenzene(108-67-8)	U.S. - Massachusetts - Right To Know List
Cumene(98-82-8)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
naphthalene(91-20-3)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List; U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs); U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 3/20/2023

Full text of H-phrases	
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

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Full text of H-phrases	
H340	May cause genetic defects
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant

# Low FP Diesel

## Safety Data Sheet

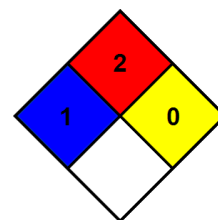
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Abbreviations and acronyms	
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Safety Data Sheet (SDS), USA

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