

SECTION 1: Identification

Diesel Cetane Check Fuel - High

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 04/13/2018 Revision date: 06/19/2018 Supersedes: 09/14/2015

Identification 1.1. Product form : Substance Trade name : Diesel Cetane Check Fuel - High Chemical name Diesel : 68476-34-6 CAS-No Product code : HF3006 Formula : Unspecified Diesel oil, No. 2 / Diesel No. 2 / Diesel fuel No. 2 / Diesel fuel oil no. 2-D / Fuel oil, no. 2-D / Svnonvms Fuels, diesel, No. 2 / Diesel fuel no. 2 / Diesel oil 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).) / Fuels, diesel, No 2 / Fuel oil No. 2-D 1.2. Recommended use and restrictions on use Use of the substance/mixture : Fuel for engine development and testing 1.3. Supplier Haltermann Solutions™ 15600 W Hardy Rd. Houston, TX 77060 - USA T 1-800-969-2542 - F 281-457-1469 qdunford@jhaltermann.com 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 **Classification of the substance or mixture** 21 **GHS-US** classification Flammable liquids H227 Combustible liquid Category 4 Acute toxicity H332 Harmful if inhaled (inhalation:dust,mist) Category 4 Skin corrosion/irritation H315 Causes skin irritation Category 2 Serious eye damage/eye irritation Category 2 H319 Causes serious eye irritation Carcinogenicity Category 2 H351 Suspected of causing cancer Reproductive toxicity Suspected of damaging fertility or the unborn child H361 Category 2 Specific target organ H336 May cause drowsiness or dizziness toxicity (single exposure) Category 3 Specific target organ H335 May cause respiratory irritation toxicity (single exposure) Category 3 Specific target organ H373 May cause damage to organs through prolonged or repeated exposure toxicity (repeated exposure) Category 2 Aspiration hazard Category H304 May be fatal if swallowed and enters airways Hazardous to the aquatic H401 Toxic to aquatic life environment - Acute Hazard Category 2 Hazardous to the aquatic H411 Toxic to aquatic life with long lasting effects environment - Chronic Hazard Category 2 Full text of H statements : see section 16

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2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US) Hazard statements (GHS-US)

- : Danger
- : H227 Combustible liquid
- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H335 May cause respiratory irritation
- H336 May cause drowsiness or dizziness
- 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/sparks/open flames/hot surfaces. No smoking.
 - 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

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 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)

Not applicable

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	75 - 85
Petroleum distillates, hydrotreated light	(CAS-No.) 64742-47-8	15 - 25
Distillates, petroleum, hydrotreated middle	(CAS-No.) 64742-46-7	5 - 15

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Name		Product identifier	%
obtained from distillation of aromatic streams. It con	e - unspecified, [A complex combination of hydrocarbons sists predominantly of aromatic hydrocarbons having carbon C16 and boiling in the range of approximately 165 °C to 290	(CAS-No.) 64742-94-5	5 - 15
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
Full text of hazard classes and H-statements :	see section 16		
3.2. Mixtures			
Not applicable			
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	
First-aid measures after skin contact	center/doctor/physician if you feel unwell.Wash skin with plenty of water. Take off contamir	U 1	occurs: Cot
	medical advice/attention.	-	
First-aid measures after eye contact	 Rinse cautiously with water for several minutes. F do. Continue rinsing. If eye irritation persists: Get 		sent and easy to
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immedia	tely.	
4.2. Most important symptoms and effe			
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 s	pecial treatment, if necessary		
Treat symptomatically.			
SECTION 5: Fire-fighting measures			
5.1. Suitable (and unsuitable) extinguis			
	shing media		
	: Water spray, Dry powder, Feam, Carbon diavide		
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.		
Suitable extinguishing media 5.2. Specific hazards arising from the	chemical		
Suitable extinguishing media 5.2. Specific hazards arising from the			
Suitable extinguishing media 5.2. Specific hazards arising from the office hazard	chemical	ons of use, storage and transp	port.
Suitable extinguishing media 5.2. Specific hazards arising from the of Fire hazard Reactivity	 chemical : Combustible liquid. : The product is non-reactive under normal condition 	ons of use, storage and transp	port.
Suitable extinguishing media 5.2. Specific hazards arising from the off Fire hazard Reactivity 5.3. Special protective equipment and	 chemical : Combustible liquid. : The product is non-reactive under normal condition 		
Suitable extinguishing media 5.2. Specific hazards arising from the off Fire hazard Reactivity 5.3. Special protective equipment and Protection during firefighting	 Chemical Combustible liquid. The product is non-reactive under normal condition precautions for fire-fighters Do not attempt to take action without suitable pro apparatus. Complete protective clothing. 		
Suitable extinguishing media 5.2. Specific hazards arising from the off Fire hazard Reactivity 5.3. Special protective equipment and Protection during firefighting SECTION 6: Accidental release met	 Chemical Combustible liquid. The product is non-reactive under normal condition precautions for fire-fighters Do not attempt to take action without suitable pro apparatus. Complete protective clothing. 		
Suitable extinguishing media 5.2. Specific hazards arising from the off Fire hazard Reactivity 5.3. Special protective equipment and Protection during firefighting SECTION 6: Accidental release median 6.1. Personal precautions, protective equipment	 Combustible liquid. The product is non-reactive under normal condition precautions for fire-fighters Do not attempt to take action without suitable pro- apparatus. Complete protective clothing. 		
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Suitable extinguishing media 5.2. Specific hazards arising from the off Fire hazard Reactivity 5.3. Special protective equipment and Protection during firefighting SECTION 6: Accidental release mediate 6.1. Personal precautions, protective eff 6.1. For non-emergency personnel Emergency procedures	chemical Combustible liquid. Combustible liquid. The product is non-reactive under normal condition precautions for fire-fighters Do not attempt to take action without suitable pro apparatus. Complete protective clothing. Complete protective clothing. Complete procedures Complete spillage area. No open flames, no spark	tective equipment. Self-contai	ned breathing
Suitable extinguishing media 5.2. Specific hazards arising from the off Fire hazard Reactivity 5.3. Special protective equipment and Protection during firefighting SECTION 6: Accidental release media 6.1. Personal precautions, protective off 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders	chemical Combustible liquid. Combustible liquid. The product is non-reactive under normal condition precautions for fire-fighters Do not attempt to take action without suitable pro apparatus. Complete protective clothing. Complete protective clothing. Complete procedures Complete spillage area. No open flames, no spark	tective equipment. Self-contai s, and no smoking. Do not bro rith skin and eyes. tective equipment. For further	ned breathing
Suitable extinguishing media 5.2. Specific hazards arising from the office hazard Reactivity 5.3. Special protective equipment and Protection during firefighting SECTION 6: Accidental release mediate 6.1. Personal precautions, protective office 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment	chemical Combustible liquid. The product is non-reactive under normal condition precautions for fire-fighters Do not attempt to take action without suitable pro apparatus. Complete protective clothing. asures quipment and emergency procedures Ventilate spillage area. No open flames, no spark dust/fume/gas/mist/vapors/spray. Avoid contact w Do not attempt to take action without suitable pro	tective equipment. Self-contai s, and no smoking. Do not bro rith skin and eyes. tective equipment. For further	ned breathing
Suitable extinguishing media 5.2. Specific hazards arising from the office hazard Reactivity 5.3. Special protective equipment and Protection during firefighting SECTION 6: Accidental release mediate 6.1. Personal precautions, protective edited 6.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions	chemical Combustible liquid. The product is non-reactive under normal condition precautions for fire-fighters Do not attempt to take action without suitable pro apparatus. Complete protective clothing. asures quipment and emergency procedures Ventilate spillage area. No open flames, no spark dust/fume/gas/mist/vapors/spray. Avoid contact w Do not attempt to take action without suitable pro	tective equipment. Self-contai s, and no smoking. Do not bro rith skin and eyes. tective equipment. For further	ned breathing
Suitable extinguishing media 5.2. Specific hazards arising from the office hazard Fire hazard Reactivity 5.3. Special protective equipment and Protection during firefighting SECTION 6: Accidental release mediate 6.1. Personal precautions, protective edited 6.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment 6.2. Environmental precautions Avoid release to the environment.	 Chemical Combustible liquid. The product is non-reactive under normal condition precautions for fire-fighters Do not attempt to take action without suitable proparatus. Complete protective clothing. asures equipment and emergency procedures Ventilate spillage area. No open flames, no spark dust/fume/gas/mist/vapors/spray. Avoid contact without suitable properties Do not attempt to take action without suitable properties 	tective equipment. Self-contai s, and no smoking. Do not bro rith skin and eyes. tective equipment. For further	ned breathing
Suitable extinguishing media 5.2. Specific hazards arising from the office hazard Reactivity 5.3. Special protective equipment and Protection during firefighting SECTION 6: Accidental release mediate 6.1. Personal precautions, protective office 6.1.1. For non-emergency personnel Emergency procedures 6.1.2. For emergency responders Protective equipment	 Chemical Combustible liquid. The product is non-reactive under normal condition precautions for fire-fighters Do not attempt to take action without suitable proparatus. Complete protective clothing. asures equipment and emergency procedures Ventilate spillage area. No open flames, no spark dust/fume/gas/mist/vapors/spray. Avoid contact without suitable properties Do not attempt to take action without suitable properties 	tective equipment. Self-contai s, and no smoking. Do not bro rith skin and eyes. tective equipment. For further	ned breathing

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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	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includin	g any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection

8.1. Control para	imeters	
Diesel (68476-34-6)		
ACGIH	Local name	Diesel fuel as total
ACGIH	ACGIH TWA (mg/m ³)	100 mg/m ³ (inhalable fraction and vapor)
ACGIH	Regulatory reference	ACGIH 2018
Petroleum Distillates	s (8002-05-9)	
OSHA	OSHA PEL (TWA) (ppm)	500 ppm
IDLH	US IDLH (ppm)	1100 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m ³)	350 mg/m ³
NIOSH	NIOSH REL (ceiling) (mg/m ³)	1800 mg/m ³
Petroleum distillates	s, hydrotreated light (64742-47-8)	
OSHA	OSHA PEL (TWA) (ppm)	500 ppm
Distillates, petroleur	n, hydrotreated middle (64742-46-7)	
OSHA	OSHA PEL (TWA) (ppm)	500 ppm
n-hexane (110-54-3)		
ACGIH	Local name	n-Hexane
ACGIH	ACGIH TWA (ppm)	50 ppm
ACGIH	Remark (ACGIH)	CNS impair; peripheral neuropathy; eye irr; Skin; BEI
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m³)	1800 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	500 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
IDLH	US IDLH (ppm)	1100 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m ³)	180 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	50 ppm
n-Heptane (142-82-5)		
ACGIH	Local name	Heptane, all isomers
ACGIH	ACGIH TWA (ppm)	400 ppm
ACGIH	ACGIH STEL (ppm)	500 ppm
ACGIH	Regulatory reference	ACGIH 2018

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n-Heptane (142-82-	5)	
OSHA	OSHA PEL (TWA) (mg/m ³)	2000 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	500 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
IDLH	US IDLH (ppm)	750 ppm
NIOSH	NIOSH REL (TWA) (mg/m ³)	350 mg/m ³
NIOSH	NIOSH REL (TWA) (ppm)	85 ppm
NIOSH	NIOSH REL (ceiling) (mg/m ³)	1800 mg/m ³
NIOSH	NIOSH REL (ceiling) (ppm)	440 ppm
Octane (111-65-9)		
ACGIH	Local name	Octane
ACGIH	ACGIH TWA (ppm)	300 ppm
ACGIH	Remark (ACGIH)	URT irr
ACGIH	Regulatory reference	ACGIH 2018
OSHA	OSHA PEL (TWA) (mg/m ³)	2350 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	500 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA
IDLH	US IDLH (ppm)	1000 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m ³)	350 mg/m³
	NIOSH REL (TWA) (ppm)	75 ppm
NIOSH		1000 / 2
NIOSH	NIOSH REL (ceiling) (mg/m ³)	1800 mg/m³
NIOSH NIOSH Solvent naphtha (pe	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A co	385 ppm omplex combination of hydrocarbons obtained from distillation
NIOSH NIOSH Solvent naphtha (pe of aromatic streams	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A co	385 ppm omplex combination of hydrocarbons obtained from distillation is having carbon numbers predominantly in the range of C9
NIOSH NIOSH Solvent naphtha (pe of aromatic streams through C16 and bo OSHA	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A co s. It consists predominantly of aromatic hydrocarbon biling in the range of approximately 165 °C to 290 °C OSHA PEL (TWA) (ppm)	385 ppm omplex combination of hydrocarbons obtained from distillation as having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5)
NIOSH NIOSH Solvent naphtha (pe of aromatic streams through C16 and bo	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A co s. It consists predominantly of aromatic hydrocarbon biling in the range of approximately 165 °C to 290 °C OSHA PEL (TWA) (ppm)	385 ppm omplex combination of hydrocarbons obtained from distillation as having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5)
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NIOSH NIOSH Solvent naphtha (po of aromatic streams through C16 and bc OSHA naphthalene (91-20 ACGIH ACGIH ACGIH	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A cost s. It consists predominantly of aromatic hydrocarbon piling in the range of approximately 165 °C to 290 °C OSHA PEL (TWA) (ppm) -3) Local name ACGIH TWA (ppm) Remark (ACGIH) Regulatory reference	385 ppm omplex combination of hydrocarbons obtained from distillation is having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5) 500 ppm 500 ppm 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
NIOSH NIOSH Solvent naphtha (pe of aromatic streams through C16 and bo OSHA naphthalene (91-20 ACGIH ACGIH ACGIH	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A co s. It consists predominantly of aromatic hydrocarbon biling in the range of approximately 165 °C to 290 °C (OSHA PEL (TWA) (ppm) -3) Local name ACGIH TWA (ppm) Remark (ACGIH)	385 ppm omplex combination of hydrocarbons obtained from distillation is having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5) 500 ppm 10 ppm 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)
NIOSH NIOSH Solvent naphtha (pe of aromatic streams through C16 and bo OSHA ACGIH ACGIH ACGIH ACGIH	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A cost s. It consists predominantly of aromatic hydrocarbon piling in the range of approximately 165 °C to 290 °C OSHA PEL (TWA) (ppm) -3) Local name ACGIH TWA (ppm) Remark (ACGIH) Regulatory reference	385 ppm omplex combination of hydrocarbons obtained from distillation is having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5) 500 ppm 10 ppm 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 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 2018 50 mg/m³ 10 ppm
NIOSH NIOSH Solvent naphtha (po of aromatic streams through C16 and bo OSHA ACGIH ACGIH ACGIH ACGIH	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A cost s. It consists predominantly of aromatic hydrocarbon biling in the range of approximately 165 °C to 290 °C (OSHA PEL (TWA) (ppm) -3) Local name ACGIH TWA (ppm) Remark (ACGIH) Regulatory reference OSHA PEL (TWA) (mg/m³)	385 ppm omplex combination of hydrocarbons obtained from distillation is having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5) 500 ppm 10 ppm 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 2018 50 mg/m ³
NIOSH NIOSH Solvent naphtha (pe of aromatic streams through C16 and bo OSHA ACGIH ACGIH ACGIH ACGIH	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A cost s. It consists predominantly of aromatic hydrocarbon biling in the range of approximately 165 °C to 290 °C OSHA PEL (TWA) (ppm) -3) Local name ACGIH TWA (ppm) Remark (ACGIH) Regulatory reference OSHA PEL (TWA) (mg/m³) OSHA PEL (TWA) (ppm)	385 ppm omplex combination of hydrocarbons obtained from distillation is having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5) 500 ppm 10 ppm 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 2018 50 mg/m ³ 10 ppm
NIOSH NIOSH Solvent naphtha (po of aromatic streams through C16 and bo OSHA ACGIH ACGIH ACGIH ACGIH ACGIH ACGIH OSHA OSHA	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A cc s. It consists predominantly of aromatic hydrocarbon polling in the range of approximately 165 °C to 290 °C (OSHA PEL (TWA) (ppm) -3) Local name ACGIH TWA (ppm) Remark (ACGIH) Regulatory reference OSHA PEL (TWA) (mg/m³) OSHA PEL (TWA) (ppm) Regulatory reference (US-OSHA)	385 ppm omplex combination of hydrocarbons obtained from distillation is having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5) 500 ppm Naphthalene 10 ppm 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 2018 50 mg/m ³ 10 ppm
NIOSH NIOSH Solvent naphtha (po of aromatic streams through C16 and bo OSHA ACGIH ACGIH ACGIH ACGIH ACGIH ACGIH OSHA OSHA OSHA	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A cost s. It consists predominantly of aromatic hydrocarbon biling in the range of approximately 165 °C to 290 °C (OSHA PEL (TWA) (ppm) -3) Local name ACGIH TWA (ppm) Remark (ACGIH) Regulatory reference OSHA PEL (TWA) (mg/m³) OSHA PEL (TWA) (ppm) Regulatory reference (US-OSHA) US IDLH (ppm)	385 ppm omplex combination of hydrocarbons obtained from distillation is having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5) 500 ppm 10 ppm 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 2018 50 mg/m ³ 10 ppm OSHA 250 ppm
NIOSH NIOSH Solvent naphtha (po of aromatic streams through C16 and bo OSHA ACGIH ACGIH ACGIH ACGIH ACGIH OSHA OSHA OSHA IDLH NIOSH	NIOSH REL (ceiling) (ppm) etroleum), heavy arom.; Kerosine - unspecified, [A cc s. It consists predominantly of aromatic hydrocarbon polling in the range of approximately 165 °C to 290 °C (OSHA PEL (TWA) (ppm) -3) Local name ACGIH TWA (ppm) Remark (ACGIH) Remark (ACGIH) Regulatory reference OSHA PEL (TWA) (mg/m³) OSHA PEL (TWA) (ppm) Regulatory reference (US-OSHA) US IDLH (ppm) NIOSH REL (TWA) (mg/m³)	385 ppm omplex combination of hydrocarbons obtained from distillation as having carbon numbers predominantly in the range of C9 (330 °F to 554 °F).] (64742-94-5) 500 ppm 500 ppm 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 2018 50 mg/m ³ 10 ppm OSHA 250 ppm

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8.2.	Appropriate engineering cont	rols
Approp	riate engineering controls	: Ensure good ventilation of the work station.
Enviror	nmental exposure controls	: Avoid release to the environment.
8.3.	Individual protection measure	s/Personal protective equipment
Hand p	protection:	

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection.

SECTION 9: Phy	ysical and chemical	properties
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Physical state: LiquidAppearance: Liquid.Color: Pale yellow to brown if undyed, red or purple if dyedOdor: mildOdor threshold: No data availablepH: No data availableMelting point: Not applicableFreezing point: No data availableBoiling point: 170 - 365 °CFlash point: No data availableRelative evaporation rate (butyl acetate=1): No data availableFlammability (solid, gas): Not applicable.Vapor pressure: 4 hPa (at 40 °C)Relative vapor density at 20 °C: No data available	9.1. Information on basic physical and	chemical properties
Color:Pale yellow to brown if undyed, red or purple if dyedOdor:mildOdor threshold:No data availablepH:No data availableMelting point:Not applicableFreezing point:No data availableBoiling point:170 - 365 °CFlash point:> 60.5 °C closed cupRelative evaporation rate (butyl acetate=1):No data availableFlammability (solid, gas):Not applicable.Vapor pressure:4 hPa (at 40 °C)	Physical state	: Liquid
Odor: mildOdor threshold: No data availablepH: No data availableMelting point: Not applicableFreezing point: No data availableBoiling point: 170 - 365 °CFlash point: > 60.5 °C closed cupRelative evaporation rate (butyl acetate=1): Not aavailableFlammability (solid, gas): Not applicable.Vapor pressure: 4 hPa (at 40 °C)	Appearance	: Liquid.
Odor threshold: No data availablepH: No data availableMelting point: Not applicableFreezing point: No data availableBoiling point: No data availableBoiling point: 170 - 365 °CFlash point: > 60.5 °C closed cupRelative evaporation rate (butyl acetate=1): No data availableFlammability (solid, gas): Not applicable.Vapor pressure: 4 hPa (at 40 °C)	Color	: Pale yellow to brown if undyed, red or purple if dyed
pH: No data availableMelting point: Not applicableFreezing point: No data availableBoiling point: 170 - 365 °CFlash point: > 60.5 °C closed cupRelative evaporation rate (butyl acetate=1): No data availableFlammability (solid, gas): Not applicable.Vapor pressure: 4 hPa (at 40 °C)	Odor	: mild
Melting point: Not applicableFreezing point: No data availableBoiling point: 170 - 365 °CFlash point: > 60.5 °C closed cupRelative evaporation rate (butyl acetate=1): No data availableFlammability (solid, gas): Not applicable.Vapor pressure: 4 hPa (at 40 °C)	Odor threshold	: No data available
Freezing point: No data availableBoiling point: 170 - 365 °CFlash point: > 60.5 °C closed cupRelative evaporation rate (butyl acetate=1): No data availableFlammability (solid, gas): Not applicable.Vapor pressure: 4 hPa (at 40 °C)	рН	: No data available
Boiling point : 170 - 365 °C Flash point : > 60.5 °C closed cup Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Not applicable. Vapor pressure : 4 hPa (at 40 °C)	Melting point	: Not applicable
Flash point: > 60.5 °C closed cupRelative evaporation rate (butyl acetate=1): No data availableFlammability (solid, gas): Not applicable.Vapor pressure: 4 hPa (at 40 °C)	Freezing point	: No data available
Relative evaporation rate (butyl acetate=1): No data availableFlammability (solid, gas): Not applicable.Vapor pressure: 4 hPa (at 40 °C)	Boiling point	: 170 - 365 °C
Flammability (solid, gas): Not applicable.Vapor pressure: 4 hPa (at 40 °C)	Flash point	: > 60.5 °C closed cup
Vapor pressure : 4 hPa (at 40 °C)	Relative evaporation rate (butyl acetate=1)	: No data available
	Flammability (solid, gas)	: Not applicable.
Relative vapor density at 20 °C : No data available	Vapor pressure	: 4 hPa (at 40 °C)
	Relative vapor density at 20 °C	: No data available
Relative density : 33 - 42 °API	Relative density	: 33 - 42 °API
Specific gravity / density : 0.84 g/cm ³ (at 15 °C)	Specific gravity / density	: 0.84 g/cm ³ (at 15 °C)
Solubility : No data available	Solubility	: No data available
Log Pow : No data available	Log Pow	: No data available
Auto-ignition temperature : No data available	Auto-ignition temperature	: No data available
Decomposition temperature : No data available	Decomposition temperature	: No data available
Viscosity, kinematic : No data available	Viscosity, kinematic	: No data available
Viscosity, dynamic : No data available	Viscosity, dynamic	: No data available
Explosion limits : No data available	Explosion limits	: No data available
Explosive properties : No data available	Explosive properties	: No data available
Oxidizing properties : No data available	Oxidizing properties	: No data available
9.2. Other information	9.2. Other information	

No additional information available

SECTION 10: Stability and	d reactivity
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10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

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10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

SECTION 11: Toxicological in 11.1. Information on toxicologica	
Acute toxicity	: Inhalation:dust,mist: Harmful if inhaled.
Diesel (68476-34-6)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	1 - 5 mg/l/4h
ATE US (vapors)	1 mg/l/4h
ATE US (dust, mist)	1 mg/l/4h
Petroleum Distillates (8002-05-9)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Petroleum distillates, hydrotreated	light (64742-47-8)
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h
Distillates, petroleum, hydrotreated	middle (64742-46-7)
LD50 oral rat	7400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	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
n-hexane (110-54-3)	
LD50 oral rat	25 g/kg
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (ppm)	48000 ppm/4h
ATE US (oral)	25000 mg/kg body weight
ATE US (dermal)	3000 mg/kg body weight
ATE US (gases)	48000 ppmV/4h
n-Heptane (142-82-5)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	3000 mg/kg
LC50 inhalation rat (mg/l)	103 g/m ³ (Exposure time: 4 h)
ATE US (dermal)	3000 mg/kg body weight
ATE US (vapors)	103 mg/l/4h
ATE US (dust, mist)	103 mg/l/4h
Octane (111-65-9)	
LC50 inhalation rat (mg/l)	> 23.36 mg/l/4h
of aromatic streams. It consists pre	/ arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillatior dominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 le of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5)
LD50 oral rat	> 5000 mg/kg

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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)

LC50 inhalation rat (mg/l)	> 5.2 mg/l (Exposure time: 4 h)
naphthalene (91-20-3)	
LD50 dermal rat	> 2500 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg body weight
LC50 inhalation rat (mg/l)	> 0.34 mg/l (Exposure time: 1 h)
ATE US (oral)	533 mg/kg body weight
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Petroleum Distillates (8002-05-9)	
IARC group	3 - Not classifiable

nonhthalana (01.20.2)	
naphthalene (91-20-3)	1
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity, Reasonably anticipated to be Human Carcinogen
In OSHA Hazard Communication Carcinogen list	Yes
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – single exposure	: May cause drowsiness or dizziness. May cause respiratory irritation.
Specific target organ toxicity – repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
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.

SECTION 12: Ecological information		
12.1. Toxicity		
Ecology - general	Toxic to aquatic life with long lasting effects. Toxic to aquatic life.	
Diesel (68476-34-6)		
LC50 fish 1	35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
EC50 Daphnia 1	6.4 mg/l 48 hr	
Petroleum Distillates (8002-05-9)		
LC50 fish 1	3 mg/l (Exposure time: 96 h - Species: Oncorhynchus Mykiss	
EC50 Daphnia 1	< 0.26 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	
Petroleum distillates, hydrotreated light (64742-47-8)		
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])	
Distillates, petroleum, hydrotreated middle (64742-46-7)		
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])	

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n-Heptane (142-82-5)		
LC50 fish 1	375 mg/l (Exposure time: 96 h - Species: Cichlid fish)	
EC50 Daphnia 1	> 10 mg/l 24hr	
LC50 fish 2	0.1 mg/l (Exposure time: 96 h - Species: Mysidopsis Bahia)	
Octane (111-65-9)		
EC50 Daphnia 1	0.38 mg/l (Exposure time: 48 h - Species: water flea)	
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)		
LC50 fish 1	19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
EC50 Daphnia 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)		
naphthalene (91-20-3)		
LC50 fish 1 5.74 - 6.44 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])		
EC50 Daphnia 1	2.16 mg/l (Exposure time: 48 h - Species: Daphnia magna)	
EC50 Daphnia 2	1.96 mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])	

12.2. Persistence and degradability

n-hexane (110-54-3)	
Persistence and degradability Biodegradable in the soil. Readily biodegradable in water.	
ThOD	3.52 g O₂/g substance

naphthalene (91-20-3)		
Persistence and degradability	Not established.	
Biochemical oxygen demand (BOD)	0 g O₂/g substance	
Chemical oxygen demand (COD)	0.22 g O₂/g substance	
ThOD	2.99 g O₂/g substance	

12.3. Bioaccumulative potential

Petroleum distillates, hydrotreated light (64742-47-8)		
3CF fish 1 61 - 159		
n-hexane (110-54-3)		
BCF fish 1	501.187 (Other, Pimephales promelas, QSAR)	
Log Pow	4 (Experimental value, Equivalent or similar to OECD 107, 20 °C)	
Bioaccumulative potential	Potential for bioaccumulation ($500 \le BCF \le 5000$).	
n-Heptane (142-82-5)		
Log Pow 4.66		
Octane (111-65-9)		
Log Pow 5.18		
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)		
BCF fish 1	61 - 159	
Log Pow	2.9 - 6.1	
naphthalene (91-20-3)		
BCF fish 1	30 - 430	
Log Pow	3.6	
Bioaccumulative potential	Not established.	

12.4. Mobility in soil

n-hexane (110-54-3)		
Surface tension	0.018 N/m (25 °C, 1 g/l)	
04/13/2018	EN (English US)	9/15

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n-hexane (110-54-3)	
Log Koc	3.34 (log Koc, QSAR)
Ecology - soil	Low potential for mobility in soil.
naphthalene (91-20-3)	0.00 N/(m /(00.00)
Surface tension	0.03 N/m (100 °C)
Ecology - soil	Adsorbs into the soil.
12.5. Other adverse effects	
n-hexane (110-54-3)	
1990 Hazardous Air Pollutant (Clean Air Act)	Yes
naphthalene (91-20-3)	
1990 Hazardous Air Pollutant (Clean Air Act)	Yes
SECTION 13: Disposal consideration	8
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Transport document description	: NA1993 Combustible liquid, n.o.s. (Diesel Fuel), 3, III
UN-No.(DOT)	: NA1993
Proper Shipping Name (DOT)	: Combustible liquid, n.o.s.
	Diesel Fuel
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Packing group (DOT)	: III - Minor Danger
Dangerous for the environment	: Yes
Marine pollutant	: Yes
	¥2
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Symbols	: D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN
DOT Special Dravisions (40 OFD 470 400)	requiring a technical name
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, 31HD2, 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
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L

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DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 128
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).
Transport by sea	
Transport document description (IMDG)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Diesel Fuel), 9, III
UN-No. (IMDG)	: 3082
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Class (IMDG)	: 9 - Miscellaneous dangerous substances and articles
Packing group (IMDG)	: III - substances presenting low danger
Marine pollutant	: Yes
Air transport	
Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Diesel Fuel), 9, III
UN-No. (IATA)	: 3082
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.
Class (IATA)	: 9 - Miscellaneous Dangerous Goods
Packing group (IATA)	: III - Minor Danger
SECTION 15: Regulatory information	on
15.1. US Federal regulations	
Diesel (68476-34-6)	
Listed on the United States TSCA (Toxic Sub	stances Control Act) inventory
L	
Petroleum Distillates (8002-05-9)	
Listed on the United States TSCA (Toxic Sub	stances Control Act) inventory
Petroleum distillates, hydrotreated light (6	4742-47-8)
Listed on the United States TSCA (Toxic Sub	•
Distillates, petroleum, hydrotreated middle	
Listed on the United States TSCA (Toxic Sub	
n-hexane (110-54-3)	
Listed on the United States TSCA (Toxic Sub Subject to reporting requirements of United S	
CERCLA RQ	5000 lb
n-Heptane (142-82-5)	
Listed on the United States TSCA (Toxic Sub	stances Control Act) inventory
Octane (111-65-9)	

Listed on the United States TSCA (Toxic Substances Control Act) 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 on the United States TSCA (Toxic Substances Control Act) inventory

naphthalene (91-20-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 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)
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)
naphthalene (91-20-3)
Listed on the Canadian DSL (Domestic Substances List)
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)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Distillates, petroleum, hydrotreated middle (64742-46-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
n-hexane (110-54-3)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
n-Heptane (142-82-5)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Octane (111-65-9)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
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 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

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Diesel (68476-34-6)	
Listed on the AICS (Australian Inventory of Chemical Substances Listed on IECSC (Inventory of Existing Chemical Substances Pro- Listed on the Korean ECL (Existing Chemicals List) Listed on NZIOC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemic Listed on INSQ (Mexican National Inventory of Chemical Substan Listed on CICR (Turkish Inventory and Control of Chemicals) Listed on the TCSI (Taiwan Chemical Substance Inventory)	duced or Imported in China) al Substances)
Petroleum Distillates (8002-05-9)	
Listed on the AICS (Australian Inventory of Chemical Substances Listed on IECSC (Inventory of Existing Chemical Substances Pro Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemic Listed on INSQ (Mexican National Inventory of Chemical Substance Listed on the TCSI (Taiwan Chemical Substance Inventory)	duced or Imported in China) al Substances)
Petroleum distillates, hydrotreated light (64742-47-8)	
Listed on the AICS (Australian Inventory of Chemical Substances Listed on IECSC (Inventory of Existing Chemical Substances Pro Listed on the Korean ECL (Existing Chemicals List) Listed on NZIOC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemic Listed on INSQ (Mexican National Inventory of Chemical Substan Listed on CICR (Turkish Inventory and Control of Chemicals) Listed on the TCSI (Taiwan Chemical Substance Inventory)	duced or Imported in China) al Substances)
Distillates, petroleum, hydrotreated middle (64742-46-7)	
Listed on the AICS (Australian Inventory of Chemical Substances Listed on IECSC (Inventory of Existing Chemical Substances Pro- Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemic Listed on INSQ (Mexican National Inventory of Chemical Substan Listed on CICR (Turkish Inventory and Control of Chemicals) Listed on the TCSI (Taiwan Chemical Substance Inventory)	duced or Imported in China) al Substances)
n-hexane (110-54-3)	
Listed on the AICS (Australian Inventory of Chemical Substances Listed on IECSC (Inventory of Existing Chemical Substances Pro- Listed on the Japanese ENCS (Existing & New Chemical Substances Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemic Japanese Pollutant Release and Transfer Register Law (PRTR La Listed on INSQ (Mexican National Inventory of Chemical Substan Listed on CICR (Turkish Inventory and Control of Chemicals) Listed on the TCSI (Taiwan Chemical Substance Inventory)	duced or Imported in China) ices) inventory al Substances) aw)
n-Heptane (142-82-5)	
Listed on the AICS (Australian Inventory of Chemical Substances Listed on IECSC (Inventory of Existing Chemical Substances Pro Listed on the Japanese ENCS (Existing & New Chemical Substar Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemic Listed on INSQ (Mexican National Inventory of Chemical Substan Listed on CICR (Turkish Inventory and Control of Chemicals) Listed on the TCSI (Taiwan Chemical Substance Inventory)	duced or Imported in China) nces) inventory al Substances)

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ctane (111-65-9)
sted on the AICS (Australian Inventory of Chemical Substances) sted on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) sted on the Japanese ENCS (Existing & New Chemical Substances) inventory sted on the Japanese ISHL (Industrial Safety and Health Law) sted on the Korean ECL (Existing Chemicals List) sted on NZIoC (New Zealand Inventory of Chemicals) sted on PICCS (Philippines Inventory of Chemicals and Chemical Substances) sted on INSQ (Mexican National Inventory of Chemical Substances) sted on CICR (Turkish Inventory and Control of Chemicals) sted on the TCSI (Taiwan Chemical Substance Inventory)
olvent naphtha (petroleum), heavy arom.; Kerosine - unspecified, [A complex combination of hydrocarbons obtained from distillation of omatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C9 through C16 nd boiling in the range of approximately 165 °C to 290 °C (330 °F to 554 °F).] (64742-94-5)
sted on the AICS (Australian Inventory of Chemical Substances) sted on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) sted on the Korean ECL (Existing Chemicals List) sted on NZIoC (New Zealand Inventory of Chemicals) sted on PICCS (Philippines Inventory of Chemicals and Chemical Substances) sted on INSQ (Mexican National Inventory of Chemical Substances) sted on CICR (Turkish Inventory and Control of Chemicals) sted on the TCSI (Taiwan Chemical Substance Inventory)
aphthalene (91-20-3)
sted on the AICS (Australian Inventory of Chemical Substances) sted on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) sted on the Japanese ENCS (Existing & New Chemical Substances) inventory sted on the Japanese ISHL (Industrial Safety and Health Law) sted on the Korean ECL (Existing Chemicals List) sted on NZIoC (New Zealand Inventory of Chemicals) sted on PICCS (Philippines Inventory of Chemicals and Chemical Substances) apanese Pollutant Release and Transfer Register Law (PRTR Law) sted on INSQ (Mexican National Inventory of Chemical Substances) sted on CICR (Turkish Inventory and Control of Chemicals) sted on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

A warning This product can expose you to naphthalene, which is known to the State of California to cause cancer, and n-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.

n-hexane (110-5	n-hexane (110-54-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
No	No	No	Yes		

naphthalene (91	naphthalene (91-20-3)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No	5.8 µg/day	

Petroleum Distillates (8002-05-9)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

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n-hexane (110-54-3)
U.S Massachusetts - Right To Know List
U.S New Jersey - Right to Know Hazardous Substance List
U.S Pennsylvania - RTK (Right to Know) List
n-Heptane (142-82-5)
U.S Massachusetts - Right To Know List
U.S New Jersey - Right to Know Hazardous Substance List
U.S Pennsylvania - RTK (Right to Know) List
Octane (111-65-9)
U.S Massachusetts - Right To Know List
U.S New Jersey - Right to Know Hazardous Substance List
U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List
U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List naphthalene (91-20-3)
U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List naphthalene (91-20-3) U.S Massachusetts - Right To Know List
U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List naphthalene (91-20-3)

U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Revision date

: 06/19/2018

Full text of H-phrases:

	H227	Combustible liquid		
	H304	May be fatal if swallowed and enters airways		
	H315	Causes skin irritation		
	H319	Causes serious eye irritation		
	H332	Harmful if inhaled		
	H335	May cause respiratory irritation		
	H336	May cause drowsiness or dizziness		
	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		
NFF	PA 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.		

SDS US (GHS HazCom 2012)

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