

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012

Version: 1

®	Version: 1
SECTION 1: Identification of the	substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Trade name	: Lucas Sure Start Premium Starting Fluid 10.7 OZ.
Product code	: 11238
Other means of identification	: This diesel fuel additive complies with federal low sulfur content requirements for us in diesel motor vehicles and nonroad engines.
1.2. Relevant identified uses of the	substance or mixture and uses advised against
Use of the substance/mixture	: Starting Fluid
1.3. Details of the supplier of the sa	afety data sheet
3199 Harrison Way NW Corydon, IN 47112 Phone: (812) 738-1147 Fax: (812) 734-0466 www.LucasOil.com 1.4. Emergency telephone number	
Emergency number : ChemTe	I: 1-800-255-3924 (USA, Canada, Puerto Rico, US V.I.) +1-813-248-0585 (International)
<b>3 , . . . . . .</b>	
SECTION 2: Hazards identification	
2.1. Classification of the substance	e or mixture
GHS-US classificationFlam. Aerosol 1H222Compressed gasH280Skin Irrit. 2H315Carc. 2H351Repr. 2H361STOT SE 3H336Full text of H statements : see section 16	
2.2 Label elements	
2.2. Label elements	
GHS-US labeling Hazard pictograms (GHS-US) Signal word (GHS-US) Hazard statements (GHS-US)	: GHS02 GHS04 GHS07 GHS08
	H280 - Contains gas under pressure; may explode if heated H315 - Causes skin irritation H336 - May cause drowsiness or dizziness H351 - Suspected of causing cancer H361 - Suspected of damaging fertility or the unborn child
Precautionary statements (GHS-US)	<ul> <li>P201 - Obtain special instructions</li> <li>P202 - Do not handle until all safety precautions have been read and understood</li> <li>P210 - Keep away from heat,sparks,open flames,hot surfaces No smoking</li> <li>P211 - Do not spray on an open flame or other ignition source</li> <li>P251 - Pressurized container: Do not pierce or burn, even after use</li> <li>P261 - Avoid breathing dust,fume,gas,mist,vapor spray</li> <li>P264 - Wash affected areas thoroughly after handling</li> <li>P271 - Use only outdoors or in a well-ventilated area</li> <li>P280 - Wear protective gloves,protective clothing,eye protection,face protection</li> <li>P302+P352 - If on skin: Wash with plenty of soap and water</li> <li>P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing</li> <li>P312 - Call a POISON CONTROL CENTER, doctor, if you feel unwell.</li> <li>P321 - Specific treatment: See section 4.1 on SDS</li> <li>P332+P313 - If skin irritation occurs: Get medical advice/attention</li> <li>P362+P364 - Take off contaminated clothing and wash it before reuse</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P405 - Store locked up</li> <li>P410+P403 - Protect from sunlight. Store in a well-ventilated place</li> <li>P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F</li> </ul>
09/07/2021	EN (English US) 1/13

Safety Data Sheet

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

P501 - Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

### 2.3. Other hazards

Other	hazards	not	contributing	to

: Contains gas under pressure; may explode if heated. None under normal conditions.

### classification

2.4. Unknown acute toxicity (GHS US)

No data available

### **SECTION 3: Composition/Information on ingredients**

the

### 3.1. Substance

### Not applicable

#### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Diethyl Ether	(CAS No) 60-29-7	45 - 50	Flam. Liq. 1, H224 Acute Tox. 4 (Oral), H302 Carc. 2, H351 Repr. 2, H361 STOT SE 3, H336
Petroleum Gases, Liquefied, Sweetened	(CAS No) 68476-86-8	10 - 30	Flam. Gas 1, H220 Compressed gas, H280
Heptane, Branched Cyclic	(CAS No) 426260-76-6	15.264 - 15.9	Flam. Liq. 1, H224 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
n-Heptane	(CAS No) 142-82-5	3.975 - 7.155	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Carbon Dioxide, Liquefied, Under Pressure	(CAS No) 124-38-9	5 - 10	Compressed gas, H280
Ethanol	(CAS No) 64-17-5	< 3	Flam. Liq. 2, H225
Chloroethane	(CAS No) 75-00-3	<= 1	Flam. Gas 1, H220 Carc. 2, H351 Aquatic Chronic 3, H412
Toluene	(CAS No) 108-88-3	0.159 - 0.886	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
Distillates (Petroleum), Hydrotreated Heavy Naphthenic	(CAS No) 64742-52-5	<1	Asp. Tox. 1, H304
2,6-Di-tert-butyl-p-cresol	(CAS No) 128-37-0	0 - 0.05	Acute Tox. 4 (Oral), H302

### SECTION 4: First aid measures

4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention. Suspected of causing cancer.
First-aid measures after inhalation	: Cough. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Direct contact with the eyes is likely to be irritating. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/injuries	: Suspected of damaging fertility or the unborn child. Causes damage to organs.
Symptoms/injuries after inhalation	: Shortness of breath. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Itching. Red skin. Skin rash/inflammation. Causes skin irritation.
Symptoms/injuries after eye contact	: May cause slight eye irritation . May cause severe irritation. Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue.
Symptoms/injuries after ingestion	: May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways.
4.3. Indication of any immediate medica	I attention and special treatment needed

No additional information available

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

<b>SECTION 5: Firefighting measures</b>	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the s	ubstance or mixture
Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
5.3. Advice for firefighters	
Firefighting instructions	<ul> <li>Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area.</li> </ul>
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Aerosol level 3.
SECTION 6: Accidental release me	asures
	equipment and emergency procedures
General measures	: No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.
6.1.1. For non-emergency personnel	
Protective equipment	: Gloves. Safety glasses.
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing dust,fume,gas,mist,vapor spray.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	ify authorities if liquid enters sewers or public waters.
6.3. Methods and material for containing	• •
For containment	<ul> <li>Dam up the liquid spill. Contain released substance, pump into suitable containers. Plug the leak, cut off the supply.</li> <li>Store away from other metorials</li> </ul>
Methods for cleaning up	: Store away from other materials.
6.4. Reference to other sections	
See Heading 8. Exposure controls and persona	al protection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use.
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not spray on an open flame or other ignition source. Obtain special instructions. Do not handle until all safety precautions have been read and understood. Avoid breathing dust,fume,gas,mist,vapor spray. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Remove contaminated clothes. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2. Conditions for safe storage, include	ling any incompatibilities
Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Keep container tightly closed.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
Heat-ignition	: KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.
Storage area	: Store in a well-ventilated place.
7.3. Specific end use(s)	
Follow Label Directions.	

09/07/2021

Safety Data Sheet According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

3.1. Control param	ure controls/personal protection	
Diethyl Ether (60-29-7) USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1200
USA ACGIH	ACGIH TWA (ppm)	400 ppm (Ethyl ether; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	1500 mg/m³
USA ACGIH	ACGIH STEL (ppm)	500 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	1200 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm
Toluene (108-88-3)		
USA ACGIH	ACGIH TWA (mg/m³)	75 mg/m³
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
n-Heptane (142-82-5)	1	
USA ACGIH	ACGIH TWA (ppm)	400 ppm (Heptane, all isomers; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA ACGIH	ACGIH STEL (ppm)	500 ppm (Heptane, all isomers; USA; Short time value TLV - Adopted Value)
Heptane, Branched Cy	clic (426260-76-6)	
USA ACGIH	ACGIH TWA (ppm)	400 ppm
USA ACGIH	ACGIH STEL (ppm)	500 ppm
USA OSHA	OSHA PEL (TWA) (ppm)	500 ppm
Distillates (Petroleum),	, Hydrotreated Heavy Naphthenic (64742-52-5)	
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m <sup>3</sup> MIST 8 HOURS
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m <sup>3</sup> MIST 8 HOURS
Petroleum Gases, Liqu	efied, Sweetened (68476-86-8)	
USA ACGIH	ACGIH TWA (ppm)	1000 ppm Listed under Aliphatic hydrocarbon gases alkane C1-C4
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	1800 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
Carbon Dioxide, Lique	fied, Under Pressure (124-38-9)	
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	9000 mg/m³
USA ACGIH	ACGIH TWA (ppm)	5000 ppm (Carbon dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
USA ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	54000
USA ACGIH	ACGIH STEL (ppm)	30000 ppm
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	9000 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (ppm)	5000 ppm
Ethanol (64-17-5)		
USA ACGIH	ACGIH STEL (ppm)	1000 ppm (Ethanol; USA; Short time value; TLV - Adopted Value)
2,6-Di-tert-butyl-p-cres	ol (128-37-0)	
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (Butylated hydroxytoluene (BHT); USA; Time weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor)

Appropriate engineering controls

: Local exhaust venilation, vent hoods . Ensure good ventilation of the work station.

Safety Data Sheet

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

Personal protective equipment	:	Gloves. Safety glasses. Avoid all unnecessary exposure.

### **SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties		
Physical state	: Gas	
Appearance	: Liquid.	
Color	: Colourless to light yellow.	
Odor	: Ether-like odour.	
Odor threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: -31.1 °C (Lowest Component)	
Flash point	: -96.23 °C (Lowest Component)	
Auto-ignition temperature	: 180 °C	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapor pressure	: No data available	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Solubility	: Poorly soluble in water.	
Log Pow	: No data available	
Log Kow	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosive properties	: Heating may cause a fire or explosion.	
Oxidizing properties	: No data available	
Explosion limits	: No data available	
9.2. Other information		
VOC content	: 93.3 %	
Gas group	: Compressed gas	

### **SECTION 10: Stability and reactivity**

10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

Safety Data Sheet According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.5. Incompatible materials	
Strong acids. Strong bases.	
10.6. Hazardous decomposition pro	ducts
Toxic fume Carbon monoxide. Carbon di	oxide.
<b>SECTION 11: Toxicological info</b>	rmation
11.1. Information on toxicological ef	ifects
Acute toxicity	: Not classified
Diethyl Ether (60-29-7)	
LD50 oral rat	1215 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 1600 mg/kg bodyweight; Rat)
LD50 dermal rabbit	> 14200 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	99 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	32000 ppm/4h (Rat)
Toluene (108-88-3)	
LD50 oral rat	5580 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Literature study; 5580 mg/kg bodyweight; Rat; Experimental value)
LD50 dermal rabbit	> 5000 mg/kg body weight LD50 quoted as 14.1 mL/kg (12267 mg/kg using density of 0.87)
LC50 inhalation rat (mg/l)	> 28.1 mg/l/4h (Rat; Air, Literature study)
n-Heptane (142-82-5)	
LD50 oral rat	> 15000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 3160 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >2000 mg/kg bodyweight; Rabbit; Read-across)
LC50 inhalation rat (mg/l)	103 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	25000 ppm/4h (Rat; Literature study)
Heptane, Branched Cyclic (426260-76-	
LD50 oral rat	> 15000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; >5000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 3160 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >2000 mg/kg bodyweight; Rabbit; Read-across)
LC50 inhalation rat (mg/l)	103 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	25000 ppm/4h (Rat; Literature study)
Distillates (Petroleum), Hydrotreated H	
LD50 oral rat	> 5000 mg/kg body weight
Ethanol (64-17-5)	40740 m s/lus h shuusisht (Detr OFOD 404, Asute Oral Tavisitu Everysin antal ushus)
LD50 oral rat LD50 dermal rabbit	10740 mg/kg body weight (Rat; OECD 401: Acute Oral Toxicity; Experimental value) > 16000 mg/kg (Rabbit; Literature study)
2,6-Di-tert-butyl-p-cresol (128-37-0) LD50 oral rat	890 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; >6000 mg/kg
LD50 dermal rat	<pre>bodyweight; Rat) &gt; 2000 mg/kg (Rat; Literature study; OECD 402: Acute Dermal Toxicity; &gt;2000 mg/kg bodyweight; Dati Experimental value)</pre>
Skin corrosion/irritation	bodyweight; Rat; Experimental value) : Causes skin irritation.
Serious eve damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Toluene (108-88-3)	
IARC group	3
Distillates (Petroleum), Hydrotreated H	leavy Naphthenic (64742-52-5)
IARC group	3
Ethanol (64-17-5)	
IARC group	1
2,6-Di-tert-butyl-p-cresol (128-37-0)	
IARC group	3
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
09/07/2021	EN (English US) 6

Safety Data Sheet According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation	: Shortness of breath. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Itching. Red skin. Skin rash/inflammation. Causes skin irritation.
Symptoms/injuries after eye contact	: May cause slight eye irritation . May cause severe irritation. Irritation of the eye tissue. Inflammation/damage of the eye tissue. Redness of the eye tissue.
Symptoms/injuries after ingestion	: May be harmful if swallowed and enters airways. May be fatal if swallowed and enters airways.

### **SECTION 12: Ecological information**

12.1. Toxicity				
Diethyl Ether (60-29-7)				
LC50 fish 2	2560 mg/l (LC50; 96 h; Pimephales promelas)			
EC50 Daphnia 2	1380 mg/l (EC50; 48 h)			
n-Heptane (142-82-5)				
EC50 Daphnia 1	0.2 mg/l (LC50; Other; 96 h; Chaetogammarus marinus; Semi-static system; Salt water; Experimental value)			
Carbon Dioxide, Liquefied, Under Pressure	(124-38-9)			
LC50 fish 1	35 mg/l (LC50; 96 h; Salmo gairdneri)			
Ethanol (64-17-5)				
LC50 fish 2	13000 mg/l (LC50; 96 h; Salmo gairdneri; Static system; Fresh water)			
2,6-Di-tert-butyl-p-cresol (128-37-0)				
LC50 fish 1	>= 0.57 mg/l (LC0; EU Method C.1; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)			
EC50 Daphnia 1	0.48 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)			
LC50 fish 2	0.199 mg/l (LC50; ECOSAR v1.00; 96 h; Pisces)			
EC50 Daphnia 2	0.15 mg/l (NOEC; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)			
12.2. Persistence and degradability				
JOHNSEN'S 50% STARTING FLUID 10.7 OZ	·			
Persistence and degradability	Not established.			
Diethyl Ether (60-29-7)				
Persistence and degradability	Not readily biodegradable in water. No (test)data on mobility of the substance available. Reacts with air.			
Biochemical oxygen demand (BOD)	0.03 g O <sub>2</sub> /g substance			
Chemical oxygen demand (COD)	0.026 g O <sub>2</sub> /g substance (KMnO4)			
ThOD	2.60 g O <sub>2</sub> /g substance			
BOD (% of ThOD)	0.012			
Toluene (108-88-3)				
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.			
Biochemical oxygen demand (BOD)	2.15 g O <sub>2</sub> /g substance			
Chemical oxygen demand (COD)	2.52 g O <sub>2</sub> /g substance			
ThOD	3.13 g O <sub>2</sub> /g substance			
BOD (% of ThOD)	0.69			
n-Heptane (142-82-5)				
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Low potential for adsorption in soil. Photolysis in the air.			
Biochemical oxygen demand (BOD)	1.92 g O <sub>2</sub> /g substance			
Chemical oxygen demand (COD)	0.06 g O <sub>2</sub> /g substance			
ThOD	3.52 g O <sub>2</sub> /g substance			
BOD (% of ThOD)	> 0.5 (5 days; Literature study)			
Heptane, Branched Cyclic (426260-76-6)				
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May cause long-term adverse effects in the environment.

Persistence and degradability

Safety Data Sheet According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Distillates (Petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)			
Persistence and degradability	Not established.		
Petroleum Gases, Liquefied, Sweetened (684	76-86-8)		
Persistence and degradability	Not established.		
Carbon Dioxide, Liquefied, Under Pressure (	124-38-9)		
Persistence and degradability	Biodegradability: not applicable. Not applicable (gas).		
Biochemical oxygen demand (BOD)	Not applicable		
Chemical oxygen demand (COD)	Not applicable		
ThOD	Not applicable		
Ethanol (64-17-5)			
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available.		
Biochemical oxygen demand (BOD)	0.8 - 0.967 g O <sub>2</sub> /g substance		
Chemical oxygen demand (COD)	1.70 g O <sub>2</sub> /g substance		
ThOD	2.10 g O <sub>2</sub> /g substance		
Chloroethane (75-00-3)			
Persistence and degradability	May cause long-term adverse effects in the environment.		
2,6-Di-tert-butyl-p-cresol (128-37-0)			
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil. Adsorbs into the soil. Low		
	potential for mobility in soil. Photooxidation in the air.		
Biochemical oxygen demand (BOD)	0.51 g O <sub>2</sub> /g substance		
Chemical oxygen demand (COD)	2.27 g O <sub>2</sub> /g substance		
ThOD	2.977 g O <sub>2</sub> /g substance		
BOD (% of ThOD)	0.17		
12.3. Bioaccumulative potential			
JOHNSEN'S 50% STARTING FLUID 10.7 OZ.			
Bioaccumulative potential	Not established.		
Diethyl Ether (60-29-7)			
BCF fish 1	0.9 - 9.1 (BCF)		
Log Pow	0.82 - 0.89 (Experimental value)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
Toluene (108-88-3)			
BCF fish 2	90 (BCF; 72 h; Leuciscus idus; Static system; Fresh water)		
Log Pow	2.73 (Experimental value; Other; 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
n-Heptane (142-82-5)			
BCF other aquatic organisms 1	552 (BCF; BCFBAF v3.00)		
Log Pow	4.66 (Experimental value; 4.5; Literature study)		
Bioaccumulative potential	Potential for bioaccumulation ( $4 \ge Log \text{ Kow} \le 5$ ).		
Heptane, Branched Cyclic (426260-76-6)			
Bioaccumulative potential	Not established.		
Distillates (Petroleum), Hydrotreated Heavy	laphthenic (64742-52-5)		
Bioaccumulative potential	Not established.		
Petroleum Gases, Liquefied, Sweetened (684	76-86-8)		
Bioaccumulative potential	Not established.		
Carbon Dioxide, Liquefied, Under Pressure (	124-38-9)		
Log Pow	0.83 (Experimental value)		
Bioaccumulative potential	Bioaccumulation: not applicable.		
Ethanol (64-17-5)			
Log Pow	-0.35 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 24 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		
Chloroethane (75-00-3)			
Bioaccumulative potential	Not established.		
2,6-Di-tert-butyl-p-cresol (128-37-0)			
BCF fish 1	230 - 2500 (BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 56 days; Cyprinus carpio; Flow-through system; Fresh water; Experimental value)		
00/07/2021	EN (English LIS) 8/13		

Safety Data Sheet According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1 D	
Log Pow	5.1 (Experimental value)
Bioaccumulative potential	Potential for bioaccumulation ( $500 \le BCF \le 5000$ ).
2.4. Mobility in soil	
Diethyl Ether (60-29-7)	
Surface tension	0.017 N/m (20 °C)
Toluene (108-88-3)	
Surface tension	0.03 N/m (20 °C)
n-Heptane (142-82-5)	
Surface tension	0.019 N/m (25 °C; 0.020 N/m; 20 °C)
Log Koc	log Koc,SRC PCKOCWIN v2.0; 2.38; Calculated value
Ethanol (64-17-5)	
Surface tension	0.0245 N/m (20 °C)
2,6-Di-tert-butyl-p-cresol (128-37-0)	
Log Koc	Koc, PCKOCWIN v1.66; 23030; Calculated value; log Koc; PCKOCWIN v1.66; 4.362; Calculated value
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
2.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal consideration	
13.1. Waste treatment methods	
Vaste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.
Additional information	: Flammable vapors may accumulate in the container.
Ecology - waste materials	: Avoid release to the environment.
n accordance with ADR / RID / IMDG / IATA / A JS DOT (ground): UN1950, Aerosols, 2.1	
	1, Limited Quantity
JS DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1	1, Limited Quantity
JS DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1	1, Limited Quantity 1 , Limited Quantity
JS DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1	1, Limited Quantity 1 , Limited Quantity 1 (Marine Pollutant-Heptane), Limited Quantity
JS DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t	1, Limited Quantity 1 , Limited Quantity 1 (Marine Pollutant-Heptane), Limited Quantity
JS DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t 14.2. UN proper shipping name	1, Limited Quantity 1 , Limited Quantity 1 (Marine Pollutant-Heptane), Limited Quantity this subchapter for classification criteria for flammable aerosols
JS DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t 14.2. UN proper shipping name	1, Limited Quantity 1, Limited Quantity 1 (Marine Pollutant-Heptane), Limited Quantity this subchapter for classification criteria for flammable aerosols : Aerosols
JS DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t I4.2. UN proper shipping name Proper Shipping Name (DOT)	<ol> <li>Limited Quantity</li> <li>, Limited Quantity</li> <li>(Marine Pollutant-Heptane), Limited Quantity</li> <li>this subchapter for classification criteria for flammable aerosols</li> <li>Aerosols</li> <li>Flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</li> </ol>
JS DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t I4.2. UN proper shipping name Proper Shipping Name (DOT) Class (DOT)	<ol> <li>Limited Quantity</li> <li>, Limited Quantity</li> <li>(Marine Pollutant-Heptane), Limited Quantity</li> <li>this subchapter for classification criteria for flammable aerosols</li> <li>Aerosols</li> <li>Flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</li> <li>2.1 - Class 2.1 - Flammable gas 49 CFR 173.115</li> </ol>
US DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t 14.2. UN proper shipping name Proper Shipping Name (DOT) Class (DOT) Hazard labels (DOT)	<ul> <li>1, Limited Quantity</li> <li>1, Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>this subchapter for classification criteria for flammable aerosols</li> <li>: Aerosols</li> <li>Flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</li> <li>: 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115</li> <li>: 2.1 - Flammable gas</li> <li>. N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols</li> </ul>
US DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t 14.2. UN proper shipping name Proper Shipping Name (DOT) Class (DOT) Hazard labels (DOT)	<ul> <li>1, Limited Quantity</li> <li>1, Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>this subchapter for classification criteria for flammable aerosols</li> <li>: Aerosols</li> <li>Flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</li> <li>: 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115</li> <li>: 2.1 - Flammable gas</li> <li></li></ul>
US DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t 4.2. UN proper shipping name Proper Shipping Name (DOT) Class (DOT) Hazard labels (DOT) OOT Special Provisions (49 CFR 172.102) OOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx)	<ul> <li>1, Limited Quantity</li> <li>1, Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>this subchapter for classification criteria for flammable aerosols</li> <li>: Aerosols</li> <li>Flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</li> <li>: 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115</li> <li>: 2.1 - Flammable gas</li> <li>. N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols</li> </ul>
US DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t <b>14.2. UN proper shipping name</b> Proper Shipping Name (DOT) Class (DOT) Hazard labels (DOT) DOT Special Provisions (49 CFR 172.102) DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) H4.3. Additional information	<ul> <li>1, Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>1 this subchapter for classification criteria for flammable aerosols</li> <li>2 Aerosols</li> <li>Flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</li> <li>2.1 - Class 2.1 - Flammable gas 49 CFR 173.115</li> <li>2.1 - Flammable gas</li> <li>2.1 - Flammable gas</li> <li>2.1 - Flammable gas</li> <li>2.1 - Flammable gas</li> <li>3.1 - Flammable gas</li> <li>3.2 - See 173.306 of this subchapter for classification criteria for flammable aerosols</li> <li>3.06</li> <li>3.04</li> <li>3.04</li> <li>3.04</li> </ul>
US DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t 4.2. UN proper shipping name Proper Shipping Name (DOT) Class (DOT) Hazard labels (DOT) OOT Special Provisions (49 CFR 172.102) DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) 4.3. Additional information	<ul> <li>1, Limited Quantity</li> <li>1, Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>this subchapter for classification criteria for flammable aerosols</li> <li>: Aerosols</li> <li>Flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</li> <li>: 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115</li> <li>: 2.1 - Flammable gas</li> <li>: 2.1 - Flammable gas</li> <li>: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols</li> <li>: 306</li> <li>: 304</li> </ul>
US DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t 14.2. UN proper shipping name Proper Shipping Name (DOT) Class (DOT) Hazard labels (DOT) DOT Special Provisions (49 CFR 172.102) DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx)	<ul> <li>1, Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>1 this subchapter for classification criteria for flammable aerosols</li> <li>2 Aerosols</li> <li>Flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</li> <li>2.1 - Class 2.1 - Flammable gas 49 CFR 173.115</li> <li>2.1 - Flammable gas</li> <li>2.1 - Flammable gas</li> <li>2.1 - Flammable gas</li> <li>2.1 - Flammable gas</li> <li>3.1 - Flammable gas</li> <li>3.2 - See 173.306 of this subchapter for classification criteria for flammable aerosols</li> <li>3.06</li> <li>3.04</li> <li>3.04</li> <li>3.04</li> </ul>
JS DOT (ground): UN1950, Aerosols, 2.1 CAO/IATA (air): UN1950, Aerosols, 2.1 MO/IMDG (water): UN1950, Aerosols, 2.1 Special Provisions: N82 - See 173.306 of t <b>14.2. UN proper shipping name</b> Proper Shipping Name (DOT) Class (DOT) Hazard labels (DOT) DOT Special Provisions (49 CFR 172.102) DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) H4.3. Additional information Other information	<ul> <li>1, Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>1 (Marine Pollutant-Heptane), Limited Quantity</li> <li>1 this subchapter for classification criteria for flammable aerosols</li> <li>2 Aerosols</li> <li>Flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)</li> <li>2.1 - Class 2.1 - Flammable gas 49 CFR 173.115</li> <li>2.1 - Flammable gas</li> <li>2.1 - Flammable gas</li> <li>2.1 - Flammable gas</li> <li>2.1 - Flammable gas</li> <li>3.1 - Flammable gas</li> <li>3.2 - See 173.306 of this subchapter for classification criteria for flammable aerosols</li> <li>3.06</li> <li>3.04</li> <li>3.04</li> <li>3.04</li> </ul>
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Safety Data Sheet

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

DOT Vessel Stowage Other	:	48 - Stow "away from" sources of heat,87 - Stow "separated from" Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials
Subsidiary risks (IMDG)	:	Marine Pollutant-Heptane
Air transport		
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	Forbidden
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	150 kg

SECTION 15: Regulatory information			
15.1. US Federal regulations			
JOHNSEN'S 50% STARTING FLUID 10.7 OZ.			
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard Sudden release of pressure hazard		
Diethyl Ether (60-29-7)			
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard		
Toluene (108-88-3)			
Subject to reporting requirements of United State Listed on the United States TSCA (Toxic Substar Listed on the United States SARA Section 302			
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard		
Heptane, Branched Cyclic (426260-76-6)			
Listed on the United States TSCA (Toxic Substar	ces Control Act) inventory		
SARA Section 311/312 Hazard Classes	Fire hazard Immediate (acute) health hazard Delayed (chronic) health hazard		
Distillates (Petroleum), Hydrotreated Heavy Naphthenic (64742-52-5)			
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard		
Petroleum Gases, Liquefied, Sweetened (68476-86-8)			
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Fire hazard Sudden release of pressure hazard		
Carbon Dioxide, Liquefied, Under Pressure (124-38-9)			
SARA Section 311/312 Hazard Classes	Sudden release of pressure hazard Immediate (acute) health hazard		
15.2. International regulations			

CANADA

VAILADA		
JOHNSEN'S 50% STARTING FLUID 10.7 OZ.		
WHMIS Classification	Class B Division 5 - Flammable Aerosol	
Toluene (108-88-3)		
Listed on the Canadian DSL (Domestic Substanc	es List)	
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision A - Very toxic material causing other toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects	
Heptane, Branched Cyclic (426260-76-6)		
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects	

### **EU-Regulations**

 Toluene (108-88-3)

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

 Heptane, Branched Cyclic (426260-76-6)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Safety Data Sheet

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

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.1; R45 Muta.Cat.2; R46 F+; R12 Xn; R22 Xi; R38 R19

Full text of R-phrases: see section 16

### 15.2.2. National regulations

#### Heptane, Branched Cyclic (426260-76-6)

All components are either listed on the US TSCA Inventory, or are not regulated under TSCA under 40 CFR 720.30.

#### 15.3. US State regulations

JOHNSEN'S 50% STARTING FLUID 10.7 OZ.		No		
U.S California - Proposition 65 - Carcinogens List		No		
U.S California - Proposition 65 - Developmental Toxicity		No		
U.S California - Proposition 65 - Reproductive Toxicity - Female		No		
U.S California - Propositic Toxicity - Male	on 65 - Reproductive	No		
State or local regulations		U.S California - Proposition	65	
Diethyl Ether (60-29-7)				
U.S California -	U.S California -	U.S California -	U.S California -	Non-significant risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxicity	Proposition 65 - Reproductive Toxicity - Female	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
No	Yes	No	No	
Toluene (108-88-3)				
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	Non-significant risk level (NSRL)
No	Yes	No	No	
n-Heptane (142-82-5)				
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	Non-significant risk level (NSRL)
No	No	No	No	
Heptane, Branched Cyclic	(426260-76-6)			
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	Non-significant risk level (NSRL)
No	No	No	No	
Distillates (Petroleum), Hy	drotreated Heavy Naphthe	nic <b>(64742-52-5)</b>		
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	Non-significant risk level (NSRL)
No	No	No	No	
Petroleum Gases, Liquefie	ed, Sweetened (68476-86-8	)		
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	Non-significant risk level (NSRL)

Safety Data Sheet According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Carbon Dioxide, Liquefied, Under Pressure (124-38-9)U.S California - Proposition 65 - Carcinogens ListU.S California - Proposition 65 - Developmental ToxicityU.S California - Proposition 65 - Reproductive Toxicity - FemaleU.S California - Proposition 65 - Reproductive Toxicity - MaleNon-significant (NSRL)	risk level
Proposition 65 - Carcinogens ListProposition 65 - Developmental ToxicityProposition 65 - Reproductive Toxicity -Proposition 65 - Reproductive Toxicity -(NSRL)	risk level
Carcinogens List Developmental Toxicity Reproductive Toxicity - Reproductive Toxicity -	
Female Male	
No No No No	
Ethanol (64-17-5)         U.S California -       U.S California -       U.S California -       Non-significant	rick loval
Proposition 65 - Proposition 65 - Proposition 65 - (NSRL)	lisk level
Carcinogens List Developmental Toxicity Reproductive Toxicity - Reproductive Toxicity -	
Female Male	
No No No	
Chloroethane (75-00-3)	
U.S California - U.S California - U.S California - Non-significant	risk level
Proposition 65 - Proposition 65 - Proposition 65 - (NSRL)	
Carcinogens List Developmental Toxicity Reproductive Toxicity - Reproductive Toxicity -	
Female Male	
Yes No No No	
2,6-Di-tert-butyl-p-cresol (128-37-0)	
U.S California - U.S California - U.S California - Non-significant	risk level
Proposition 65 - Proposition 65 - Proposition 65 - (NSRL)	
Carcinogens List Developmental Toxicity Reproductive Toxicity - Reproductive Toxicity -	
Female Male	
No No No	
Diethyl Ether (60-29-7)	
State or local regulations	
U.S California - Proposition 65	
Toluene (108-88-3)	
State or local regulations	
U.S California - Proposition 65	
U.S New Jersey - Special Health Hazards Substances List	
New Jersey Right-to-Know	
U.S Massachusetts - Right To Know List	
Rhode Island Right to Know	
U.S Michigan - Critical Materials List	
U.S New Jersey - Environmental Hazardous Substances List	
U.S Illinois - Toxic Air Contaminants	
U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances	
U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
Petroleum Gases, Liquefied, Sweetened (68476-86-8)	
State or local regulations	
New Jersey Right-to-Know	
Minnesota Right-to-Know	
Rhode Island Right to Know	
U.S Pennsylvania - RTK (Right to Know) List	
U.S Massachusetts - Right To Know List	
SECTION 16: Other information	
SECTION 16: Other information       Other information       : None.	

Full text of H-phrases:

H220	Extremely flammable gas
H222	Extremely flammable aerosol
H224	Extremely flammable liquid and vapor
H225	Highly flammable liquid and vapor
H280	Contains gas under pressure; may explode if heated
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child

Safety Data Sheet

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

H373	May cause damage to organs through prolonged or repeated
	exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur
Flammability	: 4 Severe Hazard
Physical	: 1 Slight Hazard
Personal Protection	: В

SDS US (GHS HazCom 2012)

The Supplier identified in Section 1 of this SDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.