SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form : Mixtures
Trade name : Autoguard Starting Fluid 25%
Product code : 701150

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Follow Label Directions

1.3. Details of the supplier of the safety data sheet
Warren Oil Company, Inc.
2340 Highway 301 North
Dunn, NC 28334
T 910-892-6456 - F 910-892-4245

1.4. Emergency telephone number
Emergency number : CHEMTREC 24 Hour 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (GHS-US)
Flam. Aerosol 1 H222
Flam. Liq. 1 H224
Skin Irrit. 2 H315
Repr. 2 H361
STOT SE 3 H336
STOT RE 2 H373

2.2. Label elements
GHS-US labeling
Hazard pictograms (GHS-US) :

![GHS02](image1)  ![GHS07](image2)  ![GHS08](image3)

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) :
H222 - Extremely flammable aerosol
H224 - Extremely flammable liquid and vapor
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H361 - Suspected of damaging fertility or the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :
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
P211 - Do not spray on an open flame or other ignition source
P213 - Pressurized container: Do not pierce or burn, even after use
P243 - Take precautionary measures against static discharge
P260 - Do not breathe dust/mist/vapors/spray
P261 - Avoid breathing dust/mist/vapors/spray
P264 - Wash ... thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P308+P313 - IF exposed or concerned: Get medical advice/attention
P310 - Call a POISON CENTER/doctor/…/if you feel unwell
P333+P313 - If skin irritation occurs: Get medical advice/attention
Autoguard Starting Fluid 25%
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3. Other hazards

Other hazards not contributing to the classification: Contains gas under pressure; may explode if heated.

2.4. Unknown acute toxicity (GHS US)

34.41 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Oral).
34.41 percent of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal).

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane, branched cyclic</td>
<td>(CAS No) 426260-76-6</td>
<td>23.715 - 34.41</td>
<td>Flam. Liq. 1, H224, Skin Irrit. 2, H315, STOT SE 3, H336, Asp. Tox. 1, H304, Aquatic Chronic 3, H412</td>
</tr>
<tr>
<td>Diethyl ether</td>
<td>(CAS No) 60-29-7</td>
<td>10 - 30</td>
<td>Flam. Liq. 1, H224, Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td>Petroleum gases, liquefied, sweetened</td>
<td>(CAS No) 68476-86-8</td>
<td>10 - 30</td>
<td>Flam. Liq. 1, H224, Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td>Heptane</td>
<td>(CAS No) 142-82-5</td>
<td>11.625 - 20.925</td>
<td>Flam. Liq. 2, H225, Skin Irrit. 2, H315, STOT SE 3, H336, Asp. Tox. 1, H304, Aquatic Acute 1, H400, Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>Carbon dioxide, liquefied, under pressure</td>
<td>(CAS No) 124-38-9</td>
<td>5 - 10</td>
<td>Compressed gas, H280</td>
</tr>
<tr>
<td>Toluene</td>
<td>(CAS No) 108-88-3</td>
<td>0.465 - 1.86</td>
<td>Flam. Liq. 2, H225, Skin Irrit. 2, H315, Repr. 2, H361, STOT SE 3, H336, STOT RE 2, H373, Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>(CAS No) 64742-52-5</td>
<td>&lt; 1</td>
<td>Acute Tox. 4 (Inhalation), H332, Eye Irrit. 2B, H320</td>
</tr>
</tbody>
</table>

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.

First-aid measures after inhalation: Cough. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label).

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 effects, 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: Causes skin irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media


Unsuitable extinguishing media: Do not use a heavy water stream.
Autoguard Starting Fluid 25%

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

5.2. Special hazards arising from the substance or mixture

Explosion hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form flammable/explosive vapor-air mixture.

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information: Aerosol level 3.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: No naked lights. 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

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/vapors/spray.
Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal 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. Handle empty containers with care because residual vapors are flammable.
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. No naked lights. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.
Hygiene measures: Wash ... thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/… equipment.
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.

7.3. Specific end use(s)

Follow Label Directions.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (ppm)</th>
<th>ACGIH STEL (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>diethyl ether (60-29-7)</td>
<td>USA ACGIH</td>
<td>400 ppm</td>
</tr>
<tr>
<td></td>
<td>USA ACGIH</td>
<td>500 ppm</td>
</tr>
<tr>
<td>toluene (108-88-3)</td>
<td>USA ACGIH</td>
<td>20 ppm</td>
</tr>
</tbody>
</table>
Safety Data Sheet

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear protective gloves.
Eye protection : Chemical goggles or safety glasses.
Skin and body protection : Wear suitable protective clothing.
Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Colorless to pale yellow liquid.
Color : Colourless to light yellow.
Odor : Sweet.
Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : -42 °C (LOWEST COMPONENT)
Flash point : < -23 °C
Self ignition temperature : 180 °C (LOWEST COMPONENT)
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Relative vapor density at 20 °C : > 1.5
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 : No data available
Oxidizing properties : No data available
Explosive limits : No data available

9.2. Other information

VOC content : 93.3 % CARB METHOD 310

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available
## Chemical stability
Not established. Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition. Extremely flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

## Possibility of hazardous reactions
Not established.

## Conditions to avoid

## Incompatible materials
Strong acids. Strong bases.

## Hazardous decomposition products

### SECTION 11: Toxicological information

#### Information on toxicological effects

<table>
<thead>
<tr>
<th>Substance</th>
<th>Acute toxicity</th>
<th>Skin corrosion/irritation</th>
<th>Serious eye damage/irritation</th>
<th>Respiratory or skin sensitization</th>
<th>Germ cell mutagenicity</th>
<th>Carcinogenicity</th>
<th>Reproductive toxicity</th>
<th>Aspiration hazard</th>
<th>Specific target organ toxicity (single exposure)</th>
<th>Specific target organ toxicity (repeated exposure)</th>
<th>Potential Adverse human health effects and symptoms</th>
<th>Symptoms/injuries after inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>diethyl ether (60-29-7)</strong></td>
<td>LD50 oral rat 1215 mg/kg (Rat)</td>
<td>LD50 dermal rabbit &gt; 14200 mg/kg (Rabbit)</td>
<td>LC50 inhalation rat (mg/l) 99 mg/l/4h (Rabbit)</td>
<td>LC50 inhalation rat (ppm) 32000 ppm/4h (Rabbit)</td>
<td>Not classified</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>toluene (108-88-3)</strong></td>
<td>LD50 oral rat &gt; 2000 mg/kg (5580 mg/kg bodyweight; Rat; Rat; Experimental value)</td>
<td>LD50 dermal rabbit 12223 mg/kg (&gt;5000 mg/kg bodyweight; Rabbit; Rabbit; Experimental value; Other,&gt;5000 mg/kg bodyweight; Rabbit; Rabbit; Experimental value; Other)</td>
<td>LC50 inhalation rat (mg/l) &gt; 20 mg/l/4h (Rat)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>heptane (142-82-5)</strong></td>
<td>LD50 oral rat &gt; 15000 mg/kg (&gt;5000 mg/kg bodyweight; Rat; Rat)</td>
<td>LD50 dermal rabbit &gt; 3160 mg/kg (&gt;2000 mg/kg bodyweight; Rabbit; Rabbit)</td>
<td>LC50 inhalation rat (mg/l) 103 mg/l/4h (Rat)</td>
<td>LC50 inhalation rat (ppm) 25000 ppm/4h (Rat)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Heptane, branched cyclic (426260-76-6)</strong></td>
<td>LD50 oral rat &gt; 5 g/kg</td>
<td>LD50 dermal rat &gt; 2 g/kg</td>
<td>Skin corrosion/irritation Causes skin irritation.</td>
<td>Serious eye damage/irritation Not classified</td>
<td>Respiratory or skin sensitization Not classified</td>
<td>Germ cell mutagenicity Not classified</td>
<td>Reproductive toxicity Based on available data, the classification criteria are not met</td>
<td>Aspiration hazard Not classified</td>
<td>Specific target organ toxicity (single exposure) May cause drowsiness or dizziness.</td>
<td>Specific target organ toxicity (repeated exposure) May cause damage to organs through prolonged or repeated exposure. Based on available data, the classification criteria are not met</td>
<td>Potential Adverse human health effects and symptoms Based on available data, the classification criteria are not met</td>
<td>Symptoms/injuries after inhalation Shortness of breath. May cause drowsiness or dizziness.</td>
</tr>
</tbody>
</table>

**toluene (108-88-3)**

- IARC group 3

**Heptane, branched cyclic (426260-76-6)**

- IARC group 4

**Distillates (petroleum), hydrotreated heavy naphthenic (64742-52-5)**

- IARC group 3

**Reproductive toxicity**

- Suspected of damaging fertility or the unborn child. Based on available data, the classification criteria are not met

**Specific target organ toxicity (single exposure)**

- May cause drowsiness or dizziness.

**Specific target organ toxicity (repeated exposure)**

- May cause damage to organs through prolonged or repeated exposure. Based on available data, the classification criteria are not met

**Aspiration hazard**

- Not classified. Based on available data, the classification criteria are not met.

**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.
SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>LC50 fish 2</th>
<th>EC50 Daphnia 2</th>
<th>TLM fish 1</th>
<th>TLM other aquatic organisms 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>diethyl ether (60-29-7)</td>
<td>&gt; 10000 ppm</td>
<td>165 mg/l</td>
<td>2560 mg/l</td>
<td>1380 mg/l</td>
<td>&gt; 1000 mg/l</td>
<td>&gt; 1000 mg/l</td>
</tr>
<tr>
<td></td>
<td>(96 h; Lepomis macrochirus)</td>
<td>(24 h; Daphnia magna)</td>
<td>(96 h; Pimephales promelas)</td>
<td>(48 h; Daphnia magna)</td>
<td>(96 h; Pisces)</td>
<td>(96 h)</td>
</tr>
<tr>
<td>toluene (108-88-3)</td>
<td>24 mg/l</td>
<td>84 mg/l</td>
<td>13 mg/l</td>
<td>11.5 - 19.6 mg/l</td>
<td>&gt; 1000 mg/l</td>
<td>&gt; 1000 mg/l</td>
</tr>
<tr>
<td></td>
<td>(96 h; Salmo gairdneri (Oncorhynchus mykiss))</td>
<td>(24 h; Daphnia magna; LOCOMOTOR EFFECT)</td>
<td>(96 h; Lepomis macrochirus)</td>
<td>(48 h; Daphnia magna)</td>
<td>(96 h)</td>
<td>(96 h)</td>
</tr>
<tr>
<td>heptane (142-82-5)</td>
<td>375 mg/l</td>
<td>1.5 mg/l</td>
<td>&gt; 100 mg/l</td>
<td>4924 mg/l</td>
<td>&gt; 1000 mg/l</td>
<td>&gt; 1000 mg/l</td>
</tr>
<tr>
<td></td>
<td>(96 h; Tilapia mosambica; NOMINAL CONCENTRATION)</td>
<td>(48 h; Daphnia magna)</td>
<td>(96 h; Oncorhynchus kisutch)</td>
<td>(48 h; Gambusia affinis)</td>
<td>(96 h)</td>
<td>(96 h)</td>
</tr>
<tr>
<td>carbon dioxide, liquefied, under pressure (124-38-9)</td>
<td>35 mg/l</td>
<td>1.5 mg/l</td>
<td>&gt; 100 mg/l</td>
<td>4924 mg/l</td>
<td>&gt; 1000 mg/l</td>
<td>&gt; 1000 mg/l</td>
</tr>
<tr>
<td></td>
<td>(96 h; Salmo gairdneri (Oncorhynchus mykiss); LETHAL)</td>
<td>(48 h; Daphnia magna)</td>
<td>(96 h; Oncorhynchus kisutch)</td>
<td>(48 h; Gambusia affinis)</td>
<td>(96 h)</td>
<td>(96 h)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
<th>Biochemical oxygen demand (BOD)</th>
<th>Chemical oxygen demand (COD)</th>
<th>ThOD</th>
<th>BOD (% of ThOD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>diethyl ether (60-29-7)</td>
<td>Not readily biodegradable in water. Non degradable in the soil. Reacts with air.</td>
<td>0.03 g O²/g substance</td>
<td>0.026 g O²/g substance (KMnO₄)</td>
<td>2.60 g O²/g substance</td>
<td>0.012 % ThOD</td>
</tr>
<tr>
<td>toluene (108-88-3)</td>
<td>Readily biodegradable in water. Biodegradable in the soil. Low potential for absorption in soil.</td>
<td>2.15 g O²/g substance</td>
<td>2.52 g O²/g substance</td>
<td>3.13 g O²/g substance</td>
<td>0.69 % ThOD</td>
</tr>
<tr>
<td>heptane (142-82-5)</td>
<td>Readily biodegradable in water. Biodegradable in the soil. Adsorbs into the soil.</td>
<td>1.92 g O²/g substance</td>
<td>0.06 g O²/g substance</td>
<td>3.52 g O²/g substance</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Heptane, branched cyclic (426260-76-6)</td>
<td>May cause long-term adverse effects in the environment.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>carbon dioxide, liquefied, under pressure (124-38-9)</td>
<td>Biodegradability: not applicable. No (test)data on mobility of the substance available.</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
### Autoguard Starting Fluid 25%

#### Bioaccumulative potential

**Autoguard Starting Fluid 25%**
- Bioaccumulative potential: Not established.

**diethyl ether (60-29-7)**
- BCF fish 1: 0.9 - 9.1 (Cyprinus carpio; TEST DURATION: 6 WEEKS)
- Log Pow: 0.82 - 0.89 (Experimental value)
- Bioaccumulative potential: Low potential for bioaccumulation (BCF < 500).

**toluene (108-88-3)**
- BCF fish 1: 13.2 (Anguilla japonica)
- BCF fish 2: 90 (72 h; Leuciscus idus)
- BCF other aquatic organisms 1: 380 (24 h; Chlorella sp.; FRESH WEIGHT)
- BCF other aquatic organisms 2: 4.2 (Mytilus edulis; FRESH WEIGHT)
- Log Pow: 2.73 (Experimental value; Other; 20 °C, Experimental value; Other; 20 °C)
- Bioaccumulative potential: Low potential for bioaccumulation (BCF < 500).

**heptane (142-82-5)**
- BCF other aquatic organisms 1: 552
- Log Pow: 4.66 (4.5; Experimental value; Literature)

**Heptane, branched cyclic (426260-76-6)**
- Bioaccumulative potential: Not established.

**carbon dioxide, liquefied, under pressure (124-38-9)**
- Log Pow: 0.83 (Experimental value)
- Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

**Petroleum gases, liquefied, sweetened (68476-86-8)**
- Bioaccumulative potential: Not established.

### 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)

**heptane (142-82-5)**
- Surface tension: 0.020 N/m (20 °C)

### Other adverse effects

**Other information**: Avoid release to the environment.

### SECTION 13: Disposal considerations

#### Waste treatment methods

**Waste 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...

**Additional information**: Flammable vapors may accumulate in the container. Handle empty containers with care because residual vapors are flammable.

**Ecology - waste materials**: Avoid release to the environment.
SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

US DOT (ground): UN1950, Aerosols, 2.1, Limited Quantity
ICAO/IATA (air): UN1950, Aerosols, 2, Limited Quantity
IMO/IMDG (water): UN1950, Aerosols, 2, Limited Quantity
Special Provisions: N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.

14.2. UN proper shipping name

DOT Proper Shipping Name: Aerosols
flammable, n.o.s. (engine starting fluid) (each not exceeding 1 L capacity)

Department of Transportation (DOT) Hazard Classes
Hazard labels (DOT): 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115

DOT Special Provisions (49 CFR 172.102): N82 - See 173.306 of this subchapter for classification criteria for flammable aerosols.

DOT Packaging Exceptions (49 CFR 173.xxx): 306
DOT Packaging Non Bulk (49 CFR 173.xxx): 304
DOT Packaging Bulk (49 CFR 173.xxx): None

14.3. Additional information

Other information: No supplementary information available.

Overland transport
No additional information available

Transport by sea

DOT Vessel Stowage Location: A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.
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

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

Autoguard Starting Fluid 25%
SARA Section 311/312 Hazard Classes: Delayed (chronic) health hazard
Fire hazard
Immediate (acute) health hazard

diethyl ether (60-29-7)
SARA Section 311/312 Hazard Classes: Delayed (chronic) health hazard
Fire hazard

Heptane, branched cyclic (426260-76-6)
Not listed on the United States TSCA (Toxic Substances 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
Autoguard Starting Fluid 25%
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according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2. International regulations

CANADA

<table>
<thead>
<tr>
<th>Autoguard Starting Fluid 25%</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification</td>
<td>Class B Division 5 - Flammable Aerosol</td>
</tr>
<tr>
<td></td>
<td>Class D Division 2 Subdivision B - Toxic material causing other toxic effects</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Heptane, branched cyclic (426260-76-6)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification</td>
<td>Class B Division 2 - Flammable Liquid</td>
</tr>
<tr>
<td></td>
<td>Class D Division 2 Subdivision B - Toxic material causing other toxic effects</td>
</tr>
</tbody>
</table>

EU-Regulations
No additional information available

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

Classification according to Directive 67/548/EEC or 1999/45/EC
Not classified

15.2.2. National regulations
No additional information available

15.3. US State regulations
No additional information available

SECTION 16: Other information

Indication of changes: Revision - See "*"

Training advice: Ensure operators understand the flammability hazard. Ensure operators understand the hazard of oxygen enrichment. Receptacle under pressure.

Other information: None.

Full text of H-phrases: see section 16:

- Acute Tox. 4 (Inhalation)
- Acute Tox. 4 (Oral)
- Aquatic Acute 1
- Aquatic Chronic 1
- Aquatic Chronic 3
- Asp. Tox. 1
- Compressed gas
- Eye Irrit. 2B
- Flam. Aerosol 1
- Flam. Liq. 1
- Flam. Liq. 2
- Repr. 2
- Skin Irrit. 2
- STOT RE 2
- STOT SE 3
- H222
- H224
- H225
- H280
- H302
- H304
- H315
- H332
- H336
- H361
- H373
- H400
- H410
- H412

Acute toxicity (inhalation) Category 4
Acute toxicity (oral) Category 4
Hazardous to the aquatic environment - Acute Hazard Category 1
Hazardous to the aquatic environment - Chronic Hazard Category 1
Hazardous to the aquatic environment - Chronic Hazard Category 3
Aspiration hazard Category 1
Gases under pressure Compressed gas
Serious eye damage/eye irritation Category 2B
Flammable aerosol Category 1
Flammable liquids Category 1
Flammable liquids Category 2
Reproductive toxicity Category 2
skin corrosion/irritation Category 2
Specific target organ toxicity (repeated exposure) Category 2
Specific target organ toxicity (single exposure) Category 3
Extremely flammable aerosol
Extremely flammable liquid and vapor
Highly flammable liquid and vapor
Contains gas under pressure; may explode if heated
Harmful if swallowed
May be fatal if swallowed and enters airways
Causes skin irritation
Harmful if inhaled
May cause drowsiness or dizziness
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects
Harmful to aquatic life with long lasting effects
Autoguard Starting Fluid 25%
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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 : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.

HMIS III Rating
Health : 2 Moderate Hazard - Temporary or minor injury may occur
Flammability : 4 Severe Hazard
Physical : 2 Moderate Hazard

SDS US (GHS HazCom 2012) - Technical Chemical

The Supplier identified in Section 1 of this MSDS 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.