AUTOGUARD PENETRATING OIL 11 OZ.

Safety Data Sheet

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

Revision date: 06/03/2015

Version: 1.1

03/06/2015

EN (English US)

1/1

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

1.1. Product identifier

Product form : Mixture
Trade name : AUTOGUARD PENETRATING OIL 11 OZ.
Product code : 701166

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Lubricating Spray

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

1.4. Emergency telephone number

Emergency number : CHEMTREC 24 Hour 1-800-424-9300, 1-703-527-3887 (International)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)
Flam. Aerosol 1 H222
Compressed gas H280
Asp. Tox. 1 H304

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :
H222 - Extremely flammable aerosol
H280 - Contains gas under pressure; may explode if heated
H304 - May be fatal if swallowed and enters airways

Precautionary statements (GHS-US) :
P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P301+P310 - If swallowed: Immediately call a poison control center, doctor, physician,
P331 - Do NOT induce vomiting
P405 - Store locked up
P410+P403 - Protect from sunlight. Store in a well-ventilated place
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
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 the classification :
Contains gas under pressure; may explode if heated.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light</td>
<td>(CAS No) 64742-47-8</td>
<td>&gt;= 95</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Carbon Dioxide, Liquefied, Under Pressure</td>
<td>(CAS No) 124-38-9</td>
<td>1 - 5</td>
<td>Compressed gas, H280</td>
</tr>
<tr>
<td>Oleic Acid</td>
<td>(CAS No) 112-80-1</td>
<td>1 - 5</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

The exact percentage is a trade secret.
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 you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

Cough. Allow victim to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

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. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries

If you feel unwell, seek medical advice.

Symptoms/injuries after inhalation

Shortness of breath.

Symptoms/injuries after skin contact

May cause slight irritation. May cause moderate irritation. Red skin.

Symptoms/injuries after eye contact

May cause slight eye irritation. May cause severe irritation. Redness of the eye tissue. Inflammation/damage of the eye tissue.

Symptoms/injuries after ingestion

May be fatal if swallowed and enters airways.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media


Unsuitable extinguishing media

Do not use a heavy water stream.

5.2. Special hazards arising from the substance 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

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.

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 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.

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

For containment

Dam up the liquid spill. Plug the leak, cut off the supply. Contain released substance, pump into suitable containers.

Methods for cleaning up

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.
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.

Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Wash affected areas thoroughly after handling. Wash contaminated clothing before reuse. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Remove contaminated clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations. 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 sources of ignition. Direct sunlight. Heat sources.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Sources of ignition. Direct sunlight. Heat sources.

Storage area: Store in a well-ventilated place.

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 (mg/m³)</th>
<th>ACGIH STEL (mg/m³)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Dioxide, Liquefied, Under Pressure (124-38-9)</td>
<td>9000 mg/m³</td>
<td>54000</td>
<td>30000 ppm</td>
</tr>
<tr>
<td>Distillates (Petroleum), Hydrotreated Light (64742-47-8)</td>
<td>200 ppm 8 Hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Local exhaust ventilation, vent hoods. Ensure good ventilation of the work station.

Personal protective equipment: Gloves. Safety glasses. 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: Wear respiratory protection.

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Gas</td>
</tr>
<tr>
<td>Appearance</td>
<td>Liquid.</td>
</tr>
<tr>
<td>Color</td>
<td>Colourless to light yellow.</td>
</tr>
<tr>
<td>Odor</td>
<td>Kerosene.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>0.19</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>222 - 247 °C</td>
</tr>
<tr>
<td>Flash point</td>
<td>94.7 °C</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor pressure : 0.013 kPa
Relative vapor density at 20 °C : 4.5
Relative density : 0.805
Solubility : Insoluble in water.
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : 1.92 cSt @ 40 deg C
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Explosion limits : No data available

9.2. Other information
VOC content : 0 %

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

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

**Oleic Acid (112-80-1)**

| LD50 oral rat | > 19200 mg/kg (Rat) |
| Distillates (Petroleum), Hydrotreated Light (64742-47-8) |
| LD50 oral rat | > 5000 mg/kg body weight |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5.28 mg/l/4h Based on lack of mortality and systemic effects |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation : Shortness of breath.
Symptoms/injuries after skin contact : May cause slight irritation. May cause moderate irritation. Red skin.
Symptoms/injuries after eye contact: May cause slight eye irritation. May cause severe irritation. Redness of the eye tissue. Inflammation/damage of the eye tissue.

Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>LC50 fish 2</th>
<th>Threshold limit other aquatic organisms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic Acid (112-80-1)</td>
<td>12 mg/l (33 h; Oncorhynchus kisutch)</td>
<td>205 mg/l (96 h; Pimephales promelas)</td>
<td>&lt; 40 mg/l (0.3 h; Echinoidea; Reproduction)</td>
</tr>
</tbody>
</table>

Carbon Dioxide, Liquefied, Under Pressure (124-38-9)

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>LC50 fish 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>35 mg/l (96 h; Salmo gairdneri (Oncorhynchus mykiss); Lethal)</td>
<td></td>
</tr>
<tr>
<td>LC50 fish 2</td>
<td>60 - 240 mg/l (12 h; Salmo gairdneri (Oncorhynchus mykiss); Lethal)</td>
<td></td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>2.25 g O₂ / g substance</td>
</tr>
<tr>
<td>ThOD</td>
<td>2.89 g O₂ / g substance</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>&gt; % ThOD (5 day(s)) &gt; 0.5</td>
</tr>
</tbody>
</table>

Carbon Dioxide, Liquefied, Under Pressure (124-38-9)

<table>
<thead>
<tr>
<th>Substance</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic Acid (112-80-1)</td>
<td>Biodegradability: not applicable. Not applicable (gas).</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic Acid (112-80-1)</td>
<td>5.24 - 7.18 (QSAR)</td>
</tr>
</tbody>
</table>

Carbon Dioxide, Liquefied, Under Pressure (124-38-9)

<table>
<thead>
<tr>
<th>Substance</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>0.83 (Experimental value)</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>Substance</th>
<th>Surface tension</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oleic Acid (112-80-1)</td>
<td>0.033 N/m (20 °C)</td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. 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 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. Hazardous waste due to toxicity.
# SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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

## 14.2. UN proper shipping name

| Proper Shipping Name (DOT) | Aerosols flammable, (each not exceeding 1 L capacity) |
| Transport hazard class(es) (DOT) | 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115 |
| Hazard labels (DOT) | 2.1 - Flammable gas |

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) : None

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) | 75 kg |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | 150 kg |

# SECTION 15: Regulatory information

## 15.1. US Federal regulations

### AUTOGUARD PENETRATING OIL 11 OZ.

| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard Immediate (acute) health hazard Immediate (acute) health hazard Sudden release of pressure hazard |

### Oleic Acid (112-80-1)

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

### Carbon Dioxide, Liquefied, Under Pressure (124-38-9)

| SARA Section 311/312 Hazard Classes | Sudden release of pressure hazard Immediate (acute) health hazard |

### Distillates (Petroleum), Hydrotreated Light (64742-47-8)

| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard Delayed (chronic) health hazard |

## 15.2. International regulations

### CANADA

### AUTOGUARD PENETRATING OIL 11 OZ.

<p>| WHMIS Classification | Class B Division 5 - Flammable Aerosol |</p>
<table>
<thead>
<tr>
<th>AUTOGUARD PENETRATING OIL 11 OZ.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations</td>
</tr>
</tbody>
</table>

### Oleic Acid (112-80-1)
- Listed on the Canadian DSL (Domestic Substances List)

### Distillates (Petroleum), Hydrotreated Light (64742-47-8)
- Listed on the Canadian DSL (Domestic Substances List)
- WHMIS Classification: Uncontrolled product according to WHMIS classification criteria

### EU-Regulations

#### Oleic Acid (112-80-1)

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

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]
- Not classified

#### 15.2. National regulations

##### Oleic Acid (112-80-1)
- Listed on the AICS (Australian Inventory of Chemical Substances)
- Listed on the Korean ECL (Existing Chemicals List)

### 15.3. US State regulations

#### AUTOGUARD PENETRATING OIL 11 OZ.

<table>
<thead>
<tr>
<th>State</th>
<th>Carcinogens List</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity - Female</th>
<th>Reproductive Toxicity - Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>State</th>
<th>Carcinogens List</th>
<th>Developmental Toxicity</th>
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</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### Other information

#### Other information:
- Full text of H--phrases:

<table>
<thead>
<tr>
<th>H-phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard Category 1</td>
</tr>
<tr>
<td>Compressed gas</td>
<td>Gases under pressure Compressed gas</td>
</tr>
<tr>
<td>Flam. Aerosol 1</td>
<td>Flammable aerosol Category 1</td>
</tr>
<tr>
<td>H222</td>
<td>Extremely flammable aerosol</td>
</tr>
<tr>
<td>H280</td>
<td>Contains gas under pressure; may explode if heated</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
</tbody>
</table>
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| 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   | 3 - Liquids and solids that can be ignited under almost all ambient conditions. |
| 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: B

SDS US (GHS HazCom 2012) - TCC

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.

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