



Safety Data Sheet

Issue Date: 20-Apr-2012

Revision Date: 28-July-2017

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Autoguard Penetrating Oil 11 Oz.

Other means of identification

SDS # AG-034

Recommended use of the chemical and restrictions on use

Recommended Use Lubricating Spray

Details of the supplier of the safety data sheet

Warren Oil Company, LLC
2340 U.S. Highway 301 North
Dunn, NC 28334

Emergency Telephone Number

Company Phone Number 1-800-428-9284
Emergency Telephone (24 hr) CHEMTREC 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification (GHS-US)

Flam. Aerosol 1	H222
Compressed gas	H280
Asp. Tox. 1	H304

Full text of H-phrases: see Section 16

GHS-US Labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US):

Hazard statements (GHS-US):

Danger

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, hot surfaces, open flames, sparks. 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

Other hazards:

Other hazards not contributing to the classification:

Contains gas under pressure; may explode if heated.

Unknown acute toxicity (GHS-US):

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

Name	Product Identifier	%	Classification (GHS-US)
Distillates (Petroleum), Hydrotreated Light	(CAS No.) 64742-47-8	>=95	Asp. Tox. 1, H304
Carbon Dioxide, Liquefied, Under Pressure	(CAS No.) 124-38-9	1 - 5	Compressed gas, H280
Oleic Acid	(CAS No.) 112-80-1	1 - 5	Not classified

The exact percentage is a trade secret.

4. FIRST-AID MEASURES

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 breath 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.

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.

Indication of any immediate medical attention and special treatment needed

No additional information available.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable Extinguishing Media: Do not use a heavy water stream.

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.

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.

6. ACCIDENTAL RELEASE MEASURES

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.

For non-emergency personnel

Protective equipment: Gloves. Safety glasses.

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

Environmental precautions

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

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.

Reference to other sections

See Section 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

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 or 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 contaminated clothing before reuse. Always wash hands after handling the product. Separate working clothes from town clothes. Launder separately. Remove contaminated clothes.

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: Keep container closed when not in use. Do not expose to temperatures exceeding 50 °C/ 122°F. Keep in fireproof place.

Incompatible products: Strong bases. Strong acids.

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

Storage area: Store in well-ventilated place.

Specific end use(s)

Follow Label Directions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Carbon Dioxide, Liquefied, Under Pressure (124-38-9)		
USA ACGIH	ACGIH TWA (mg/m ³)	9000 mg/m ³
USA ACGIH	ACGIH TWA (ppm)	5000 ppm
USA ACGIH	ACGIH STEL (mg/m ³)	54000
USA ACGIH	ACGIH STEL (ppm)	30000 ppm
USA OSHA	OSHA PEL (TWA)(mg/m ³)	9000 mg/m ³
USA OSHA	OSHA PEL (TWA)(ppm)	5000 ppm
Distillates (Petroleum), Hydrotreated Light (64742-47-8)		
USA ACGIH	ACGIH TWA (ppm)	200 ppm 8 Hours

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State:	Gas
Appearance:	Liquid
Color:	Colorless to light yellow
Odor:	Kerosene
Odor threshold:	No data available
pH:	No data available
Relative evaporation rate (butyl acetate=1):	0.19
Melting point:	No data available
Freezing point:	No data available
Boiling point:	222 247 °C
Flash point:	94.7 °C
Auto-ignition temperature:	No data available
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
Explosive limits:	No data available

Other information

VOC content:	0%
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10. STABILITY AND REACTIVITY

Reactivity

No additional information available

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.

Possibility of Hazardous Reactions

Not established.

Conditions to Avoid

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

Incompatible Materials

Strong acids. Strong bases.

Hazardous Decomposition Products

Toxic fume. Carbon monoxide. Carbon dioxide.

11. TOXICOLOGICAL INFORMATION**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.

12. ECOLOGICAL INFORMATION**Toxicity:**

Oleic Acid (112-80-1)	
LC50 fish 1	12 mg/l (33 h; Oncorhynchus kisutch)
LC50 fish 2	205 mg/l (96 h; Pimephales promelas)
Threshold limit or aquatic organisms 1	< 40 mg/l (0.3 h; Echinoidea; Reproduction)
Carbon Dioxide, Liquefied, Under Pressure (124-38-9)	
LC50 fish 1	35 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss); Lethal
LC50 fish 2	60 – 240 mg/l (12 h; Salmo gairdneri (Oncorhynchus mykiss); Lethal)

Persistence and degradability:

AUTOGUARD PENETRATING OIL 11 Oz.	
Persistence and degradability	Not established

Oleic Acid (112-80-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Absorbs into the soil. Photodegradation in the air.
Chemical oxygen demand (COD)	2.25 g O ₂ /g substance
ThOD	2.89 g O ₂ /g substance
BOD (% of ThOD)	> % ThOD (5 day(s)) > 0.5
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
BOD (% of ThOD)	Not applicable
Distillates (Petroleum), Hydrotreated Light (64742-47-8)	
Persistence and degradability	Not established.

Bioaccumulative potential:

AUTOGUARD PENETRATING OIL 11 Oz.	
Bioaccumulative potential	Not established
Oleic Acid (112-80-1)	
Log Pow	5.24 – 7.18 (QSAR)
Bioaccumulative potential	Not established
Carbon Dioxide, Liquefied, Under Pressure (124-38-9)	
Log Pow	0.83 (Experimental value)
Bioaccumulative potential	Bioaccumulation: not applicable.
Distillates (Petroleum), Hydrotreated Light (64742-47-8)	
Bioaccumulative potential	Not established.

Mobility in soil:

Oleic Acid (112-80-1)	
Surface tension	0.033 N/m (20 °C)

Other adverse effects:

Avoid release to the environment.

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 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.

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

UN proper shipping name

Proper Shipping Name (DOT): Aerosols
 Flammable, (each not exceeding 1 L capacity)
 Transport Hazard Classes (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

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 heat" 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/ 75 kg rail (49 CFR 173.27) :
 DOT Quantity Limitations Cargo aircraft only 150 kg (49 CFR 175.75):

15. REGULATORY INFORMATION

US Federal Regulations

AUTOGUARD PENETRATING OIL 11 Oz.	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard Fire hazard Sudden release of pressure hazard
Oleic Acid (112-80-1)	
Listed on the United States (TSCA 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

International regulations:

CANADA

AUTOGUARD PENETRATING OIL	
WHMIS Classification	Class B Division 5 – Flammable Aerosol
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)
Listed on the EEC Inventory EINECS (European Inventory of Existing Commercial Chemical Substances)-Directive 79/831/EEC, sixth Amendment of Directive 67/548/EEC (dangerous substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP]**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified

National Regulations

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

US State regulations

AUTOGUARD PENETRATING OIL	
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 – Proposition 65 – Reproductive Toxicity - Male	No

Oleic Acid (112-80-1)				
U.S. – California – Proposition 65 – Carcinogens List	U.S. – California – Proposition 65 – Developmental Toxicity	U.S. – California – Proposition 65 – Reproductive Toxicity - Female	U.S. – California – Proposition 65 – Reproductive Toxicity - Male	No significance risk level (NSRL)
No	No	No	No	
Carbon Dioxide, Liquefied, Under Pressure (124-38-9)				
U.S. – California – Proposition 65 – Carcinogens List	U.S. – California – Proposition 65 – Developmental Toxicity	U.S. – California – Proposition 65 – Reproductive Toxicity - Female	U.S. – California – Proposition 65 – Reproductive Toxicity - Male	No significance risk level (NSRL)
No	No	No	No	
Distillates (Petroleum), Hydrotreated Light (64742-47-8)				
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	No significance risk level (NSRL)
No	No	No	No	

16. OTHER INFORMATION

Other information: None

Full text of H-phrases: see Section 16:

Asp. Tox. 1	Aspiration hazard Category 1
Compressed gas	Gases under pressure Compressed gas
Flam. Aerosol 1	Flammable aerosol Category 1
H222	Extremely flammable aerosol
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways

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 3 Moderate Hazard

Physical 1 Slight Hazard

Personal Protection B

Issue Date: 20-Apr-2012
Revision Date: 28-July-2017
Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet