

Safety Data Sheet

Issue Date: 01-Jun-2015

Revision Date: 01-Jan-2020

Version 1

1. IDENTIFICATION

Product Identifier

Product Name ProTecta Spray Lube (Aerosol)

Other means of identification

SDS # SFR-009

Recommended use of the chemical and restrictions on use

Recommended Use Spray Lubricant and Penetrating Oil

Details of the supplier of the safety data sheet

Supplier Address

SFR Corporation
P.O. Box 457
Whitehall, MT 59759

Emergency Telephone Number

Company Phone Number Phone: 406-287-7836
Fax: 406-287-7946
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Amber liquid

Physical state Liquid

Odor Characteristic

Classification



Danger!

Extremely Flammable Aerosol.
Pressurized Containers
May Burst if Heated.
Harmful or Fatal if swallowed.

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

LOW VOC SOLVENT

Effects of Overexposure:

Oral Toxicity: Liquid ingestion may result in vomiting. Aspiration of vomitus must be avoided as liquid contact with the lungs can result in chemical pneumonitis and pulmonary edema/hemorrhage.

Eye Irritation: Short-term liquid contact or vapor contact may result in slight irritation. Prolonged or repeated exposure may be more irritating.

Skin Irritation: Prolonged and repeated skin contact can cause defatting and drying of the skin, which may result in skin irritation and dermatitis.

Inhalation: High concentrations or prolonged exposure to lower concentrations may be slightly irritating to mucous membranes. Inhalation overexposure can lead to central nervous system depression producing such effects as headaches, nausea, dizziness, and loss of consciousness.

Additional Information: Health studies have demonstrated that many petroleum hydrocarbons and synthetic lubricants pose potential human risks, which may vary from person to person. As a precaution, exposure to liquids, mists, vapors or fumes should be kept to a minimum. Reports of animal test studies have shown possible effects to the kidneys. The relevance of these effects to man is not known.

CHRONIC EXPOSURE

Chronic Toxicity: Repeated overexposure to petroleum naphtha can cause nervous system damage. A 14-day dermal toxicity study of 2-ethylhexanol in rats showed blood effects, decreased spleen weight and decreased triglycerides. Repeated ingestion of 2-ethylhexanol may cause injury to the liver and kidneys.

Carcinogenicity: The NCI carcinogenicity bio-assays program found no evidence of carcinogenicity in

mouse and rat studies on di-t-butyl-p-cresol. IARC concluded that there is limited evidence of animal carcinogenicity on di-t-butyl-p-cresol. All of the oils in this product have been demonstrated to contain less than 3% extractable by the IP 346 test.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity: No evidence of adverse effects was found in a developmental toxicity study of 2-ethylhexanol in rats. Doses up to 3 ml/kg applied to the skin during the most critical part of the gestation period produced evidence of toxicity to mothers, but no evidence of injury in the developing offspring. In a previous study, birth defects were observed by oral administration, an unlikely route of exposure in the workplace.

HYDROCARBON PROPELLANT

Acute Effects of Overexposure:

Eye: Vapors may cause mild irritation. Compressed liquid may cause freeze burns.

Skin: Vapors are not irritating. Compressed liquid may cause freeze burns.

Inhalation: Simply asphyxiant. Dizziness, disorientation, headache, excitation, central nervous system depression, anesthesia.

Ingestion: Not a likely route: May cause freeze burns to the mucous membranes and central nervous system depression.

Sub-Chronic and Chronic Effects of Overexposure: Ames test exhibited negative results. Human volunteers exposed repeatedly to hydrocarbon mixture gasses at concentrations ranging from 250 to 1000 ppm exhibited no cardiac or pulmonary function abnormalities.

Other Health Effects: No known applicable information.

Health Hazard Categories: Not a known carcinogen, suspected carcinogen, mutagen, teratogen, allergic sensitizes to toxin. Non-toxic, non-corrosive, and not an irritant.

This Product is a Target Organ Toxin (TOT): It produces eye and skin freeze burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Low Voc Solvent	8052-41-3	30-70
Hydrotreated light petroleum distillate	64742-47-8	5-25
Propane (propellant)	74-98-6	5-15

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures****General Advice**

Provide this SDS to medical personnel for treatment.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Cover the irritated skin with an emollient. Seek medical attention.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if irritation persists.

Ingestion

DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep victim's head below hips to prevent aspiration into lungs. Contact a physician immediately. **Note to physician:** If more than 2.0 ml/kg has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victim's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered

Most important symptoms and effects**Symptoms**

May cause eye irritation. May be harmful if swallowed. May cause skin irritation.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use dry chemical, dry foam, carbon dioxide

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Combustible liquid is released if containers rupture or explode under fire conditions.

Hazardous Combustion Products Thermal decomposition may yield oxides of carbon.

Explosion Data

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
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Methods for Clean-Up	Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Exposure Controls/Personal Protection. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbet materials or pumping. Dike if needed. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.
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7. HANDLING AND STORAGE

Precautions for safe handling

Precautionary Measures: Avoid contact with skin and eyes, do not ingest. Avoid prolonged breathing of vapors, avoid mist information. Use with adequate ventilation.

Advice on Safe Handling

Advice on Safe Handling: Store in a cool, well-ventilated area away from ignition sources, and out of direct sunlight. Store at temperatures below 125°F.

Precautionary Measures: Avoid contact with skin and eyes, do not ingest. Avoid prolonged breathing of vapors, avoid mist information. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place.
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Incompatible Materials	Strong oxidizing agents.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrotreated light petroleum distillate 64742-47-8	TWA: 5 mg/m ³ (oil mist) STEL: 10 mg/m ³ (oil mist)	TWA: 5mg/m ³ (oil mist) STEL: none estab.	TWA: none estab. STEL: none estab.

Appropriate engineering controls

Engineering Controls Showers. Eyewash stations. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Splash goggles or safety glasses.

Skin and Body Protection Long sleeves recommended. Chemical resistant gloves.

Respiratory Protection Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid		
Appearance	Amber liquid	Odor	Characteristic
Color	Amber	Odor Threshold	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	> 260 °C / 318 °F	
Flash Point	120 °C / 160 °F	
Evaporation Rate	Slower than ether	
Flammability (Solid, Gas)	Liquid- Not Applicable	
Flammability Limits in Air		
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	1550 mm Hg	
Vapor Density	Heavier than air	
Relative Density	Not determined	

Water Solubility	Not determined
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Kinematic Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

Other Information**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition may produce oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

Chemical Name	ATEmix (oral)	ATEmix (dermal)	Inhalation LC50
Petroleum Distillates, Hydrotreated light 64742-47-8	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h

Information on physical, chemical and toxicological effects**Symptoms**

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Carcinogenicity**

The component below belongs to the petroleum family, which has been shown to contain carcinogenic substances depending on the level of refinement. The carcinogen classification need not apply if it can be shown that the substance contains less than 3% dimethyl sulfoxide extract.

Chemical Name	ACGIH	IARC	NTP	OSHA
Petroleum distillates, hydrotreated 64742-47-8	A2	Group 1		X

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Numerical measures of toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Petroleum distillates, hydrotreated 64742-47-8		5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated Surface Shipping Description: UN1950, Aerosols, 2.1 Ltd. Qty (Note: Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark)

IATA UN1950, Aerosols, flammable, 2.1

IMDG Un1950, Aerosols, 2.1, LTD QTY

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECL	-
PICCS	-
AICS	-

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

US State Regulations

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	2	3	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical hazards	Personal Protection
	2	3	0	Not determined

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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