Safety Data Sheet

Issue Date: 01-Jun-2015 **Revision Date:** 14-Oct-2026 **Version** 2

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 / 1-800-735-6438
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

Classification of the substance or mixture (OSHA 29 CFR 1910.1200, HazCom 2024)
Flammable aerosol – Category 1

Label elements
Signal word: DANGER

Hazard pictograms: Flame (GHS02)



Hazard statements
H222 Extremely flammable aerosol.
H229 Pressurized container: May burst if heated.
Harmful or Fatal if swallowed.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents and container in accordance with local, regional and national regulations.

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% extractible 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: Simple 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.
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.

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 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.

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 sorbent materials or pumping. Dike if needed. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Avoid contact with skin and eyes, do not ingest. Avoid prolonged breathing of vapors, avoid mist formation. Use with adequate ventilation. Store in a cool, well-ventilated area away from ignition sources, and out of direct sunlight. Store at temperatures below 125 °F.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Hydrotreated light petroleum distillate (64742-47-8): ACGIH TLV TWA 5 mg/m³, STEL 10 mg/m³ (oil mist); OSHA PEL TWA 5 mg/m³ (oil mist); NIOSH IDLH none established.
All other ingredients: no exposure limits established.

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

Property	**Values**	**Remarks • Method**

pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	> 318 °F (> 159 °C)	
Flash Point	160 °F (71 °C)	
Evaporation Rate	Slower than ether	
Flammability (Solid, Gas)	Liquid – Not applicable	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	1550 mm Hg	
Vapor Density	Heavier than air	(Air = 1)
Specific Gravity	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	

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	Oral LD50	Dermal LD50	Inhalation LC50

Petroleum distillates, hydrotreated light 64742-47-8	> 5,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	> 5.2 mg/L, 4 h (Rat)

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. Petroleum distillates, hydrotreated (64742-47-8): ACGIH A2; IARC Group 1; OSHA X (present).

Numerical measures of toxicity
Not determined.

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	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated 64742-47-8	Not determined	LC50 (96 h, Oncorhynchus mykiss): 5,000 mg/L	Not determined	EC50 (48 h, Daphnia magna): 1,000 mg/L

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 the most up-to-date shipping information, including exemptions and special circumstances.

DOT UN1950, Aerosols, 2.1, Limited Quantity. No shipping papers required. Each package must carry the Limited Quantity mark.

IATA UN1950, Aerosols, flammable, 2.1

IMDG UN1950, Aerosols, 2.1, Limited Quantity

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
All components	Complies	Complies	Complies	-	-	-	-	-	-	-

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

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

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	3	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	2	3	0	Not determined

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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