Safety Data Sheet

Issue Date: 26-Jun-2014 **Revision Date:** 13-Oct-2026 **Version** 1

1. IDENTIFICATION

Product Identifier

Product Name ProTecta Synthetic Fuel System Treatment

Other means of identification

SDS # SFR-021

Recommended use of the chemical and restrictions on use

Recommended Use Gasoline fuel system cleaner and fuel additive, supplied in 12 oz bottles. Use only as directed on the label. Keep out of reach of children.

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 Light amber liquid **Physical State** Liquid **Odor** Mild petroleum

Classification

Classification of the substance or mixture (OSHA 29 CFR 1910.1200, HazCom 2024)
Flammable liquids – Category 4
Skin corrosion/irritation – Category 2
Serious eye damage/eye irritation – Category 2A
Specific target organ toxicity (single exposure) – Category 3 (narcotic effects)
Aspiration hazard – Category 1
Skin sensitization – Category 1

Label elements
Signal word: DANGER

Hazard pictograms: Health hazard (GHS08), Exclamation mark (GHS07)



Hazard statements
H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.

H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H317 May cause an allergic skin reaction.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing vapors or mist. P264 Wash hands and exposed skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves and eye protection.
P333 + P313 If skin irritation or rash occurs: Get medical advice.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 Do NOT induce vomiting.
P302 + P352 IF ON SKIN: Wash with plenty of water. P332 + P313 If skin irritation occurs: Get medical advice.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER or doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P370 + P378 In case of fire: Use dry chemical, CO2, foam or water fog to extinguish.
P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.
P501 Dispose of contents and container in accordance with local, regional and national regulations.

Hazards not otherwise classified (HNOC)
None known.
Unknown acute toxicity
Approximately 30 % of the mixture consists of ingredient(s) of unknown acute toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Distillates (petroleum), hydrotreated light	64742-47-8	60 – 70
Polyetheramine	Proprietary	25 – 35
Fatty acids, reaction products with alkanolamine and alkyloxide	Proprietary	0.1 – 1

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.

The exact identity of proprietary ingredients and the exact percentages are withheld as trade secrets; the full composition is available to health professionals and emergency responders as provided in 29 CFR 1910.1200(i).

Occupational exposure limits, if available, are listed in Section 8.

4. FIRST-AID MEASURES

First Aid Measures

General Advice Show this Safety Data Sheet to the doctor in attendance. Aspiration hazard – see Ingestion.

Eye Contact Rinse immediately with plenty of water for at least 15 minutes, lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical attention.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothing and shoes. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before reuse.

Inhalation Remove to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a POISON CENTER or doctor if you feel unwell.

Ingestion Do NOT induce vomiting. May be fatal if swallowed and enters airways. Rinse mouth. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor.

Most important symptoms and effects

Symptoms Causes skin and eye irritation. May cause an allergic skin reaction (redness, itching, swelling, blistering). Vapors or mist may cause drowsiness, dizziness, headache and nausea. Prolonged skin contact may cause drying and cracking. Swallowing can cause aspiration into the lungs, resulting in chemical pneumonitis.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically. Aspiration hazard – gastric lavage only after endotracheal intubation to protect the airway.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical. Carbon dioxide (CO2). Foam. Water spray (fog).

Unsuitable Extinguishing Media Do not use a solid water stream; it may spread the fire.

Specific Hazards Arising from the Chemical
Combustible liquid. Vapors are heavier than air and may travel along the ground to an ignition source and flash back. Containers may rupture or explode when heated. Use water spray to keep fire-exposed containers cool.

Hazardous Combustion Products Carbon monoxide, carbon dioxide, oxides of nitrogen, smoke and irritating fumes.

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 Remove all sources of ignition. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing; avoid breathing vapors. Use personal protective equipment as required (Section 8). Spilled material is slippery.

Environmental Precautions Prevent entry into drains, sewers, waterways and soil. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for Containment Stop leak if safe to do so. Dike far ahead of a large spill. Absorb with inert material (sand, vermiculite, earth).

Methods for Clean-Up Absorb and collect into suitable, labeled containers for disposal using non-sparking tools. Do not flush to sewer. Dispose of in accordance with Section 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mist. Use only in well-ventilated areas. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Ground and bond containers when transferring from drums. Wash thoroughly after handling. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry, well-ventilated place away from heat, sparks and flame. Store away from oxidizing agents. Keep away from food, drink and animal feed. Store locked up.

Incompatible Materials Strong oxidizing agents (chlorates, nitrates, peroxides). Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines **Distillates (petroleum), hydrotreated light (CAS 64742-47-8):**
OSHA PEL: TWA 500 ppm (2,000 mg/m³) as petroleum distillates (naphtha).
ACGIH TLV: TWA 200 mg/m³ (as total hydrocarbon vapor), Skin, A3.
NIOSH REL: None established.
Polyetheramine and fatty acid reaction product: no exposure limits established.

Appropriate engineering controls

Engineering Controls Use with adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits. Eyewash stations and safety showers should be available.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear safety glasses with side shields or chemical goggles where splashing is possible.

Skin and Body Protection Wear chemical-resistant gloves (nitrile) and clothing suitable to prevent skin contact.

Respiratory Protection None required under normal use with adequate ventilation. If vapor or mist exposure may exceed limits, use a NIOSH-approved organic-vapor respirator.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Clear liquid	**Odor**	Mild petroleum
Color	Light amber	**Odor Threshold**	Not determined

Property	**Values**	**Remarks • Method**
pH	Not applicable	
Melting Point/Freezing Point	Not determined	

Boiling Point/Boiling Range	316 – 470 °F (158 – 243 °C)	Petroleum distillate component
Flash Point	> 140 °F (> 60 °C)	Pensky-Martens Closed Cup (PMCC). Based on component data.
Evaporation Rate	< 1	(Butyl acetate = 1)
Flammability (Solid, Gas)	Liquid – Not applicable	
Upper Flammability Limits	6.0 % (vol)	Solvent component
Lower Flammability Limit	0.6 % (vol)	Solvent component
Vapor Pressure	< 1 mm Hg @ 68 °F (20 °C)	
Vapor Density	> 4	(Air = 1)
Specific Gravity	0.85	Typical (7.1 lb/gal)
Water Solubility	Insoluble	
Solubility in other solvents	Soluble in gasoline and petroleum solvents	
Partition Coefficient	Not determined	
Auto-ignition Temperature	> 450 °F (> 232 °C)	Petroleum distillate component
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not explosive	
Oxidizing Properties	Not oxidizing	

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.
Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Heat, sparks, open flames, hot surfaces and static discharge.
Incompatible Materials
Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products
Carbon monoxide, carbon dioxide and oxides of nitrogen on burning. None under normal conditions of storage and use.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes serious eye irritation.

Skin Contact Causes skin irritation. Prolonged or repeated contact may dry and defat the skin.

Inhalation Vapors or mist may cause drowsiness or dizziness and irritate the nose, throat and lungs.

Ingestion May be fatal if swallowed and enters airways. Aspiration into the lungs can cause chemical pneumonitis.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Distillates (petroleum), hydrotreated light 64742-47-8	> 5,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	> 5.6 mg/L, 4 h (Rat)
Polyetheramine	No data available	No data available	No data available
Fatty acids, reaction products with alkanolamine and alkyloxide	> 2,000 mg/kg (Rat)	> 2,000 mg/kg (Rat)	> 5.3 mg/L, 4 h (Rat, aerosol)

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 Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP at 0.1 % or more. The hydrotreated petroleum distillate contains less than 0.1 % benzene and is not classified as a carcinogen.

Numerical measures of toxicity

Acute toxicity estimates (ATE) for the mixture, calculated from available component data: Oral > 5,000 mg/kg; Dermal > 2,000 mg/kg.

Aspiration hazard: classified as Category 1 because the mixture contains more than 10 % of an Aspiration Category 1 petroleum distillate. If the measured kinematic viscosity of the finished product exceeds 20.5 mm²/s at 40 °C, this category does not apply; remove H304 and the Health-hazard pictogram.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Expected to be harmful to aquatic life with long lasting effects, based on component data. The polyetheramine component is not expected to be readily biodegradable. Keep out of waterways, sewers and soil.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Distillates (petroleum), hydrotreated light 64742-47-8	EL50 (72 h): 1 mg/L	LL50 (96 h, Rainbow trout): 10 mg/L	Not determined	EL50 (48 h, Daphnia magna): 1.4 mg/L
Fatty acids, reaction products with alkanolamine and alkyloxide	EC50 (96 h): > 1 – 10 mg/L	LC50 (96 h, Bluegill): > 10 – 100 mg/L	EC10 (3 h, activated sludge): 720 mg/L	EC50 (48 h, Daphnia magna): > 1 – 10 mg/L
Polyetheramine	Not tested	Not tested	Not tested	Not tested

Persistence/Degradability

Petroleum distillate and fatty acid components are biodegradable. The polyetheramine component is not expected to be readily biodegradable.

Bioaccumulation

Not determined.

Mobility

Product floats on water. Volatile portion evaporates from water and soil surfaces; remainder may be adsorbed to soil.

Other Adverse Effects

Not determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Dispose of in accordance with applicable regional, national and local laws and regulations. Do not dispose of with household waste or allow to enter drains. Waste product may be a RCRA ignitable hazardous waste (D001) if it meets the regulatory criteria – the generator is responsible for determining waste status.

Contaminated Packaging Empty containers retain product residue and can be hazardous. Do not cut, weld or pressurize empty containers. Dispose of 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. Flash point is above 140 °F (60 °C).

DOT Not regulated. Supplied only in 12 oz (355 mL) bottles: as a combustible liquid in non-bulk packaging it is not subject to the Hazardous Materials Regulations (49 CFR 173.150(f)).

IATA Not regulated as dangerous goods (flash point above 60 °C; not a marine pollutant based on component data).

IMDG Not regulated as dangerous goods (flash point above 60 °C; not a marine pollutant – no component is classified as a marine pollutant or environmentally hazardous substance for transport).

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Distillates (petroleum), hydrotreated light 64742-47-8	Present	Present		Present		Present	Present	Present	Present	Present
Polyetheramine	Present	Present				Present		Present	Present	Present
Fatty acids, reaction products with alkanolamine and alkyloxide	Present									

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.

SARA 311/312 Hazard Categories

Flammable (gases, aerosols, liquids, or solids); Respiratory or skin sensitization; Skin corrosion or irritation; Serious eye damage or eye irritation; Specific target organ toxicity (single exposure); Aspiration hazard.

CERCLA

This product contains no substances with a CERCLA reportable quantity (RQ) at or above the de minimis level. Petroleum distillates are excluded from the CERCLA definition of hazardous substance (petroleum exclusion).

Clean Water Act / Clean Air Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42) or listed as Hazardous Air Pollutants under Section 112 of the Clean Air Act at 0.1 % or more.

US State Regulations

U.S. State Right-to-Know Regulations

Distillates (petroleum), hydrotreated light (CAS 64742-47-8) may be listed on state Right-to-Know lists (New Jersey, Pennsylvania, Massachusetts) as a petroleum distillate.

California Proposition 65

WARNING: This product can expose you to chemicals including naphthalene and benzene (trace impurities of petroleum distillates), which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Canada WHMIS 2015

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations; the SDS contains all the information required by those regulations.

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	2	0	None
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	2	2	0	B (safety glasses, gloves)

Issue Date: 26-Jun-2014
Revision Date: 13-Oct-2026
Revision Note: Reformulated; new GHS format (HazCom 2024)

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