

MATERIAL SAFETY DATA SHEET
ProTecta Fuel System Treatment

EMERGENCY TELEPHONE NUMBER: HMC (Hazardous Material Compliance Corp.)
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Date Prepared or Revised: 7/26/06

SECTION 1 – PRODUCT & COMPANY IDENTIFICATION

Product Name: ProTecta Fuel System Treatment
Chemical Name: Mixture, Fuel Additive
Product Appearance: Light Colored Liquid
Product Odor: Aromatic
Company Name: SFR CORPORATION
405 W. Legion
WHITEHALL, MT 59759

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Criteria for listing components in the composition section are: Carcinogens are listed when present at 0.1% or greater; components that are hazardous according to OSHA are listed when present at 1.0% or greater; non-hazardous components are listed when present at 3.0% or greater. This is not intended to be a complete compositional disclosure.

Component	CAS No.	% by Wt.	OSHA	ACGIH
Mineral Spirits	8030-30-6	40 – 49.9	100 ppm	400 mg/m ³
Polyetheramine	Confidential	15 – 25.9	N/E	N/E
Petroleum Naphtha	64742-945	15 – 25.9	N/E	N/E
Naphtalene	9-12-03	0.5 – 4.0	10 ppm	15 mg/m ³
(N/E) – None established				

SECTION 3 – HAZARDS IDENTIFICATION

Principle Hazards

WARNING

- HARMFUL IF INHALED
- HARMFUL IF SWALLOWED
- CAUSES SKIN IRRITATION
- CAUSES RESPIRTORY TRACT IRRITATION
- COMBUSTIBLE LIQUID
- MAY CAUSE EYE IRRITATION
- CONTAINS COMPONENTS THAT MAY CAUSE CANCER

Additional Information: Health studies have demonstrated that many solvents 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. The relevance of these effects to man is not known.

SECTION 4 – FIRST AID MEASURES

Eyes: Flush immediately with plenty of water for at least 15 minutes. Get immediate medical attention

Skin Contact: Flush area with water while removing contaminated clothing and shoes. Follow by washing with soap and water. If irritation persists, get medical attention. Launder contaminated clothing before reuse and discard shoes and other leather articles saturated with the material.

Ingestion: DO NOT INDUCE VOMITING. If conscious, give two glasses of water. Get immediate medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. If irritation persists or if toxic symptoms are observed, get medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: 63 Deg C, 145.5 Deg F PMCC (Typical)

Extinguishing Media: Use dry chemical, dry foam, or carbon dioxide. Water can be used to protect exposed material.

Firefighting Procedures: Recommend wearing self-contained breathing apparatus. Water may cause splattering.

Unusual Fire & Explosion Hazards: Toxic fumes, gases, or vapors may evolve on burning. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back. Container may rupture on heating.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Extinguish sources of ignition, ventilate area. Soak up residue with a nonflammable absorbent and place into an approval non-leaking container for disposal. Avoid direct discharge to sewers or surface waters.

SECTION 7 – HANDLING AND STORAGE

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.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Wear a NIOSH approved self-contained respirator for organic vapors if TLV's are exceeded, an air-supplied respirator in extreme concentrations or in confined spaces.

Local Exhaust: To maintain acceptable exposure limits.

Mechanical Exhaust Keep levels below recommended TLV's.

Other Ventilation: Not applicable.

Protective Gloves: Polyvinyl alcohol or neoprene.

Eye Protection: Chemical safety goggles.

Other Protective Equipment: Use protective clothing if needed.

Work Hygienic Practices: Wash thoroughly (with soap and water) after use, before eating, drinking and smoking.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 0.85

Vapor Pressure: 2 mm Hg @ 20 deg C

Vapor Density: 4.0 (air = 1)

Boiling Point: 177 Deg C, 351 Deg F (Initial)

Melting Range: Not Determined

Upper Explosion Limit (% By Volume): Not Determined

Lower Explosion Limit (% By Volume): Not Determined

Flash Point: 63 Deg C, 145.5 Deg F PMCC (Typical)160°F

Evaporation Rate (Butyl Acetate= 1): < 1

Solubility: Insoluble in Water

SECTION 10 – STABILITY AND REACTIVITY

Stability: Material is normally stable at moderately elevated temperatures and pressures.

Conditions To Avoid: Avoid high temperatures, sparks, open flame

Incompatible Materials: Strong oxidizing agents, acids, alkali's.

Hazardous Decomposition Products: Smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

Hazardous Polymerization: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

----ACUTE EXPOSURE----

Oral Toxicity: The LD50 in rats is > 5000mg/kg. Based on data from components or similar materials. Swallowing this material causes irritation of mouth, esophagus, and stomach, with nausea, vomiting, diarrhea, and abdominal pain.

Eye Irritation: Weak to moderate eye irritant. Does not meet Canadian D2B or EU R36 criteria. Based on data from components or similar materials.

Skin Irritation: Skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

Dermal Toxicity: The LD50 in rabbits is > 2000 mg/kg. Based on data from components or similar materials.

Inhalation Toxicity: High concentrations may cause headaches, dizziness, nausea, stupor, and other central nervous system effects leading to visual impairment, difficulty breathing and convulsions.

Respiratory: Nose, throat, and lung irritant. Based on data from components or similar materials.

Irritation: Exposure to a high concentration of vapor or mist is irritating to the respiratory tract.

Dermal: No data available to indicate product or components may be a skin sensitizer. Sensitization

Inhalation: No data available to indicate product or components may be a respiratory sensitizer.

----CHRONIC EXPOSURE----

Chronic Toxicity Repeated overexposure to petroleum naphtha can cause nervous system damage.

Carcinogenicity: There is no evidence of carcinogenicity for the middle distillates present in this product. A two-year National Toxicology Program (NTP) study found an increased incidence of tumors of the nose in rats exposed to naphthalene by inhalation. In mice similarly exposed, increased incidence of alveolar / bronchiolar adenomas were observed. Naphthalene has been classified by the International Agency for Research on Cancer (IARC) as a possible human carcinogen (Group 2B) on the basis of sufficient evidence of carcinogenicity in experimental animals but inadequate evidence in exposed humans,

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

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

Teratogenicity No data available to indicate product or components contained at greater than 0.1% may cause birth defects.

----ADDITIONAL INFORMATION----

Other: No other health hazards known.

SECTION 12 – ECOLOGICAL INFORMATION

No Data is Available

SECTION 13 – DISPOSAL CONSIDERATIONS

No Data is Available

SECTION 14 – TRANSPORTATION INFORMATION

Material is not regulated.

SECTION 15 – REGULATORY INFORMATION

All components of this material are on the US TSCA Inventory or are exempt.

SECTION 16 – OTHER INFORMATION

US NFPA Codes

Health	Fire	Reactivity
2	2	0

The information and recommendations contained herein are, to the best of SFR Corporation's knowledge and belief, accurate and reliable as of the date issued. SFR Corporation does not warranty or guarantee their accuracy or reliability, and SFR Corporation shall not be liable for any loss or damage arising out of the use thereof. The NFPA ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with SFR Corporation.