

MATERIAL SAFETY DATA SHEET
PROTECTA SYNTHETIC FORMULA 2-CYCLE ENGINE OIL

EMERGENCY TELEPHONE NUMBER: HMC (Hazardous Material Compliance Corp.)
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SECTION 1 – PRODUCT & COMPANY IDENTIFICATION

Product Name: PROTECTA SYNTHETIC FORMULA 2-CYCLE ENGINE OIL
Chemical Name: Petroleum Based Lubricating Fluid
Product Appearance: Amber Liquid
Product Odor: Bland Petroleum Odor
Company Name: SFR Corporation
405 W. Legion
Whitehall, MT 59759

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>TLV</u>	<u>PEL</u>
Hydrotreated Light Naphthenic Oil	64742-53-6	5 mg/m ³	No Limit
Dispersant Additive in Severly Hydrotreated	64742-54-7	5 mg/m ³	No Limit
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	5 mg/m ³	No Limit
Polybutene	9003-29-6	N/A	N/A

SECTION 3 – HAZARDS IDENTIFICATION

VARIABILITY AMONG INDIVIDUALS: Health studies have shown that many petroleum and synthetic lubricants pose potential human health risks which vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

EFFECTS OF OVEREXPOSURE: Prolonged or repeated skin contact may cause skin irritation.

SECTION 4 – FIRST AID MEASURES

PRIMARY ROUTES OF ENTRY: Skin and Eyes.

SIGNS AND SYMPTOMS OF OVER EXPOSURE:

Eyes: Irritation (redness) no other effects under normal conditions of use.

Eye Contact: If splashed into the eyes, flush with clear water for 15 minutes or until the irritation subsides. If the irritation persists, call a physician.

Inhalation: The vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available. If overexposed to oil mist, remove from further exposure until excessive oil mist condition subsides.

Skin: In case of contact, remove any contaminated clothing and wash the skin thoroughly with soap and water.

Ingestion: If ingested, DO NOT induce vomiting: Call a physician immediately.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media: Use water spray, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures. Minimize breathing gasses, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces, or as otherwise needed.

Handling Precautions: Use product with caution around heat, sparks, pilot lights, static electricity and open flame.

NFPA Hazard Identification: Health – 2, Flammability – 2, Reactivity – 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable governmental regulations.

SECTION 7 – HANDLING AND STORAGE

No Data is Available

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Use local exhaust to capture vapor, mists, or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit. Restrict smoking in area.

RESPIRATORY PROTECTION: Use supplied – air respiratory protection in confined or enclosed spaces, if needed.

PROTECTIVE GLOVES: Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION: Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE EQUIPMENT: Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

WORK PRACTICES/ENGINEERING CONTROLS: Keep containers and storage vessels closed when not in use. DO NOT store near heat, sparks, flame or strong oxidants.

PERSONAL HYGIENE: Minimize breathing of vapor, mist or fumes. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean before reuse; discard if oil soaked. Clean skin thoroughly after contact, before breaks or meals, and at the end of the work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

The following data are approximate or typical values and should not be used for precise design purposes.

SPECIFIC GRAVITY: 60/60°F: 0.88

PH: Essentially Neutral

POUR POINT: -40°F

VISCOSITY: At -104°F, (40°C) 50.1

VAPOR PRESSURE: Less than 0.01 mm Hg @ 20°C

VAPOR DENSITY: Greater than 5

FLASH POINT (MINIMUM): 204°F, 96°C (COC)

LOWER & UPPER EXPLOSION LIMIT (% BY VOL): N/D

PERCENT VOLATILE BY VOLUME: Negligible from open container in 4 hours @ 38°C (100°F)

EVAPORATION RATE: N/D

SOLUBILITY: @ 1 Atm and 25°C (77°F) Negligible.

SECTION 10 – STABILITY AND REACTIVITY

This product is stable and will not react violently with water. Hazardous polymerization will not occur. Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

PROPERTIES OF DECOMPOSITION: Carbon, Hydrogen Chloride, Carbon Monoxide and incompletely burned Hydrocarbon products.

SECTION 11 – TOXICOLOGICAL INFORMATION

No Data is Available

SECTION 12 – ECOLOGICAL INFORMATION

No Data is Available

SECTION 13 – DISPOSAL CONSIDERATIONS

No Data is Available

SECTION 14 – TRANSPORTATION INFORMATION

TRANSPORTATION INCIDENT INFORMATION: For further information relative to spills resulting from transportation incidents, refer to the latest Department of Transportation Emergency Response Guidebook for Hazardous Materials Incidents, DOT 5800.3

DOT IDENTIFICATION NUMBER: N/A

SECTION 15 – REGULATORY INFORMATION

No Data is Available

SECTION 16 – OTHER INFORMATION

No Data is Available

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