



FR705

SECTION 1: IDENTIFICATION

Product Trade Name	FR705
Generic Chemical Name	Petroleum Oil
Product Type	Concrete Form Release Agent
Manufacturer Identification	Rock Canyon Lubricants 1669 South 580 East American Fork, UT 84003
Emergency Phone Number	801-756-2000 or 801-602-2522
Recommended Use	Concrete Form Release Agent
Revisions	Last revised January 2023

SECTION 2: HAZARDOUS IDENTIFICATION

GHS Classification	Specific Target Organ Toxicity--Single Exposure, Category 3 (respiratory tract)
GHS Label Elements	No hazard symbols required
Signal Word	Warning!
Hazard Statements	May cause respiratory irritation. Harmful if swallowed
Precautionary Statements	
Prevention	Use proper personal protective equipment for eyes, skin and respiratory system.
Response	If swallowed, call poison control center and seek medical attention. Do not induce vomiting.
Storage	Store in a well ventilated place. Keep cool.
Disposal	Dispose according to local/regional regulations.

Not classified as flammable; product will burn

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-NO.	WEIGHT %
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	90-95%
Proprietary Additive Package	Confidential	5-10%

SECTION 4: FIRST AID MEASURES

Eyes	Remove contact lenses, if easy to do so. Rinse cautiously with water for at least 15 minutes. Seek medical attention if symptoms persist.
Skin	Remove contaminated clothing immediately. Wash thoroughly with warm water and soap. Seek medical attention if symptoms persist.
Inhalation	Remove to fresh air and keep at rest in position comfortable for breathing. Call poison control center or doctor/physician if feeling unwell.
Ingestion	Do NOT induce vomiting. If vomiting occurs, keep head below hips to prevent inhalation into lungs. Seek medical attention immediately.
Notes to Physician	Symptoms: Dizziness, Discomfort, Headache, Nausea, Disorder, Vomiting, Lung Edema, Aspiration, Liver Disorders, Kidney Disorders.

When administering first aid, ensure you are wearing proper and appropriate personal protective equipment according to the incident, injury and surroundings.

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SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Carbon Dioxide (CO ₂), Water Spray, Dry Chemical, Alcohol Resistant Foam, Fog. Keep containers and surroundings cool with water spray.
Unsuitable Extinguishing Media	Do not use water in a jet.
Fire Fighting Hazards	A complex mixture of airborne solid and liquid particulates and gasses may be present when product undergoes combustion. Carbon Monoxide and unidentified organic compounds may be evolved if incomplete combustion occurs.
Specific Extinguishing Methods	Keep storage containers under water spray. Move container from fire area, if possible. Heated containers may rupture. Isolate area around fire. Do not attempt to extinguish fire unless flow of material can be stopped first. Flood with fine water spray. Avoid inhalation of material or combustion by-products.
Specific Protective Equipment	Positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill Management	Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do so safely. Isolate area. Ventilate area and avoid breathing vapor or mist. Vapor suppressing foam may be used to reduce vapors. Contain spill away from surface waters or sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal.
Reporting	Report spills to local authorities.

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SECTION 7: HANDLING & STORAGE

Handling	Keep away from heat, sparks, or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean, sparkproof tools and explosion-proof equipment. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Do not breathe vapor or mist. Use in a well-ventilated area. Avoid contact with eyes, skin, clothing and shoes. Do not smoke when using this product.
Storage	Use only approved containers. Containers should be clearly labeled and closed when not in use. Empty or partially full vessels may contain explosive vapors. Keep containers away from heat, sparks or flame. Do not pressurize, cut, weld, solder, braze, drill, grind or expose containers to sources of ignition. Store in a well ventilated area.
Incompatible Materials	Acids, oxidizing materials, chlorine, concentrated oxygen, calcium hypochlorite, sodium hypochlorite.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	TWA = 5 mg/m ³ 8 hours as oil mist
Respiratory Protection	Respiratory protection is not required under normal conditions of use. In situations where airborne concentrations exceed limitations for odor or irritation, use of approved air-purifying respirator with organic vapor cartridges/canisters may be permissible. Refer to OSHA 29 CFR 1910.134, ANSI Z88.2-1992 and/or manufacturer for respirator selection guidance.
Skin Protection	Recommended if prolonged contact is expected. Natural rubber gloves are not recommended.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (CON'T)

Eye Protection	Safety glasses or goggles recommended if there is a possibility of splashing or spraying. Contact lenses use is not recommended.
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SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance	Amber, clear bright liquid
Odor	Characteristic petroleum odor
pH	Not available
Vapor Pressure	Not available
Vapor Density (Air=1)	>5
Boiling Point	>260°C / 500°F
Flash Point	>93.3°C / 200°F
Auto Ignition Temperature	307°C / 584°F
Specific Gravity	0.887 @ 21°C / 70°F
Solubility	Soluble in hydrocarbons, insoluble in water.
VOCs	<100g/L VOCs per EPA Method 24
Viscosity (40°C)	9/29 cSt at 40°C / 104°F

SECTION 10: STABILITY & REACTIVITY

Reactivity	Product does not pose any further reactivity hazards in addition to those listed below
Chemical Stability	Stable under normal ambient temperatures and anticipated storage and handling conditions.
Hazardous Reactions	Reacts with strong oxidizing agents such as chlorates, nitrates or peroxides.
Conditions to Avoid	Extremes of temperature or direct sunlight.
Incompatible Materials	Acids, oxidizing materials, chlorine, concentrated oxygen, calcium hypochlorite, sodium hypochlorite.
Hazardous Decomposition Products	Carbon monoxide, smoke

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SECTION 11: TOXICOLOGICAL INFORMATION

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental indigestion.

This product contains petroleum esters and or synthetic ester base oils which may be refined by various processes including hydrotreating, solvent extraction, hydrocracking, or chemical reaction. None of these oils require a cancer warning under the OSHA HCS CFR 1910.1200. These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

Eye Irritation	May cause serious eye irritation and damage
Skin Irritation	May cause skin irritation
Acute Oral Toxicity	LD50 (rat): > 5,000 mg/kg Low toxicity
Acute Inhalation Toxicity	May cause respiratory irritation
Acute Dermal Toxicity	LD50 (Rabbit): > 5,000 mg/kg Low toxicity
Carcinogenicity	Product contains mineral oils of types shown to be non-carcinogenic (less than 0.1%). Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research of Cancer (IARC).
Mutagenicity	No data available
Aspiration Toxicity	May be harmful if swallowed and enters airways

SECTION 12: ECOLOGICAL INFORMATION

Product is expected to have marginally adverse effects on marine and plant life. Spills may contaminate drinking water. Material is expected to be inherently biodegradable.

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SECTION 13: DISPOSAL CONSIDERATIONS

Not expected to be a characteristic hazardous waste under RCRA. Dispose in accordance with federal, state, provincial and local regulations.

SECTION 14: TRANSPORT INFORMATION

USDOT Classification	Not regulated as hazardous material for transportation under 49 CFR
IATA-DGR	Not regulated as a dangerous good
IMDG-Code	Not regulated as a dangerous good

SECTION 15: REGULATORY INFORMATION

VOCs	<100g/L VOCs per EPA Method 24
OSHA	No OSHA hazards
TSCA	All components of this product are listed as exempt
SARA 311/312	Acute Health: Yes
SARA 313	Product has less than 1.0% of any chemical listed on SARA Extremely Hazardous Substances list
CAL PROP 65	Not listed
RCRA	Not listed
CERCLA	Listed

SECTION 16: OTHER INFORMATION

NFPA Ratings	Health: 1 Flammability: 1 Reactivity: 0
HMIS Ratings	Health: 1 Flammability: 1 Reactivity: 0 (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme)

The above information based on current information and is intended to describe the product for the purposes of health, safety and environmental requirements only.