

MATERIAL SAFETY DATA SHEET (MSDS)



Section I - Product / Company Information

Product Name	UNIGREASE EP-2
Product Code	URC - FP002
Company Name	Unioil Petroleum Philippines, Incorporated
Address	2701-A West Tower, PSE Centre, Exchange Road, Ortigas Centre, Pasig City, Philippines
Manufacturer	Union Refinery Corporation
Address	Rubbermaster Road, Bo. Lingunan, Valenzuela, Metro Manila
Chemical Family	Petroleum Hydrocarbons with Additives
Product Type	Lithium- Based Grease
Emergency Phone Number	293-03-78

Section II - Identity Information / Hazardous Ingredients

Main Ingredients	Lithium based grease with extreme pressure additive
Hazardous Ingredients	No hazardous material present.

Section III - Health Hazard Data

PrimaHealth Hazards (Acute and Chronic)	No data
Routes of Entry	Skin, Oral (Ingestion)
Eye Contact	May cause temporary discomfort with slight redness.
Inhalation	Irritates respiratory passages and eyes very slightly
Oral/Ingestion	Small amount transferred to the mouth by fingers during use will cause no harm.
Carcinogenicity (OSHA)	No data

Section IV - Emergency First Aid Procedures

Eye	Immediately flush eyes with clean lukewarm water. Consult medical attention.
Skin	Wipe off with dry towel or cloth and wash with soap and water.
Oral/Ingestion	If ingested get medical attention quickly.
Workplace exposure limits	Due to oil-based components of the product,URC recommends control of exposure to oil mist or vapors at 5mg/m ³ or less

Section V - Fire Fighting Measures

Flash Point, COC, °C	250°C (Base oil)
Extinguishing Media	Dry chemical, Foam, CO2
Special Fire-fighting Procedures	Self-contained breathing apparatus and protective clothing should be worn in fighting fire involving chemicals. Wear eye goggles if eye protection is not provided.

Section VI - Physical and Chemical Properties

Specific Gravity	0.9000
Boiling Point	Not determined
Odor	Petroleum odor
Appearance	Smooth amber color
Evaporation Rate	Not applicable
Solubility in Water	Insoluble

Section VII - Reactivity Data

Stability	Stable
Incompatibility (materials to avoid)	Strong oxidizing agents such as permanganates and perchlorates.
Conditions to avoid	Storage at high (over 100°C) in air.
Hazardous Polymerization	Will not occur
Hazardous Decomposition or By-Products	Possibly oxides of carbon and nitrogen at combustion temperatures

Section VIII - Precautions for Safe Handling and Use

Spill or Leakage	Scoop/Scrape with spatula and place in a container. Clean up with mop to avoid slipping trouble. Remove all ignition sources.
Waste Disposal	Place in clean/suitable containers and dispose in accordance with local or state laws.
Handling and Storage	Do not handle nor store near open flame. Avoid heating above flash point.

Section IX - Other Precautions

Precautions	Protect against physical abuse. Do not spill into lakes, streams, ponds or waterways.
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Section VII - Occupational Control Procedures

Respiratory Protection	Not required
Ventilation	Good general mechanical ventilation recommended at all times.
Protective Gloves	Rubber/plastic gloves
Eye Protection	Safety glasses/goggles if required
Other Protective Clothing/Equipment	Not required
Work Hygienic Practices	Always wash hands with soap and water after handling.

Section X - Stability and Reactivity

Stability	This product is stable and hazardous polymerization will not occur. However, the product should not be heated above 70 °C to avoid possible release of highly toxic hydrogen sulfide and odorous alkyl mercaptans
Incompatibility	Strong oxidizing agents
Polymerization	Not applicable
Hazardous Decomposition Products	Hydrogen sulfide (toxic)
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