

Safety Data Sheet

This SDS conforms to the GHS, ISO 11014-1, and ANSI Z400.1

This SDS complies with 29 CFR 1910.1200

Prepared according to EU Directive 1907/2006/EC

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PuroLube XD Extreme Duty Rotary Compressor Fluid

Product Code: PXD-05, PXD-55

Product Type: Polyol ester Lubricant

Recommended use: Rotary Screw Compressor Lubricant

Manufacturer/Supplier: Emergency Spill Information:

Ultrachem Inc.

900 Centerpoint Blvd. New Castle, DE 19720

Office: 302-325-9880 Fax: 302-325-0335

Technical Information:

Fluid Metrics: 770-393-8636

Emergency Spill Information

Reference: PuroLube XD

PXD-05, PXD-55

CHEMTREC (USA) 1-800-424-9300

24 HOURS/DAY, 7 DAYS/WEEK

SECTION 2 – HAZARDS IDENTIFICATION

GHS Product Classification: None

Emergency Overview: This product has been evaluated and does not require any hazard warning on the label under OSHA criteria. The product does not require a hazard warning label in accordance with GHS criteria according to REGULATION (EC) No 1272/2008.

Risk Phrases: None

Safety Phrases: S3/14, S14, S26, S27/28, S29/35, S36/37, S36/39, S40, S43, S57, S62, S63

HMIS Code: (Health: 1) (Flammability: 1) (Physical Hazard: 0) (Protection: B)

NFPA Code: (Health: 1) (Flammability: 1) (Reactivity: 0)

WHMIS Code: None

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS# EC#	Range % by Wt.
Dec-1-ene, homopolymer, hydrogenated	0068037-01-4	25 – 50%

SECTION 4 – FIRST AID MEASURES

Eye: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin: After contact with skin, take off immediately all contaminated clothing, wash immediately with plenty of soap and water.

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately.

Symptoms/effects: Mild irritation may occur with overexposure.

Special treatment: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media: In case of fire use dry chemical, carbon dioxide, foam, steam, or water fog.

Unsuitable Extinguishing Media: Never use water.

Specific Hazards: Keep away from extreme heat and open flames.

Hazardous Combustion Products: Incomplete combustion results in oxides of carbon.

Fire Fighting Equipment: Fire fighters should wear an approved self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear suitable protective clothing and gloves. Evacuate to safe area.

Environmental precautions: Use appropriate containment to avoid environmental contamination. Do not empty into drains; dispose of this material and its container in a safe way.

Methods and materials for cleanup: To clean the floor and all objects contaminated by this material use an inert absorbent material.

SECTION 7 – HANDLING AND STORAGE

Handling: No special requirements if handled with reasonable care.

Storage: Keep in a cool place away from open flames. Store inside away from extreme temperatures.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: None established

Engineering Controls: In case of insufficient ventilation wear suitable respiratory equipment.

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection.

SECTION 9 – CHEMICAL AND PHYSICAL PROPERTIES

Appearance	: Clear liquid	
Odor	: Mild	
Odor Threshold	: Not determined	
pH	: Not determined	
Melting Point / Freezing Point	: Not determined	
Pour Point	: -50°C (-55°F)	
Flash Point	: 261°C (501°F)	Method: ASTM D92
Evaporation Rate	: Not determined	
Flammability (solid, gas)	: Not Applicable	
Upper/Lower Explosive Limits	: Not Determined	
Vapor Pressure	: Not Determined	
Vapor Density	: Not Determined	
Specific Gravity	: 0.89 @ 25°C	Method: ASTM D1475
Solubility in Water	: Not Determined	
Partition Coefficient	: Not Determined	Method: ASTM E1147
Autoignition Temperature	: Not Determined	Method: ASTM E659
Decomposition Temperature	: Not Determined	Method: ASTM E2550
Viscosity	: 44.0 cSt @ 40°C	Method: ASTM D445

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability: Stable under normal circumstances

Hazardous Reactions: None

Conditions to Avoid: Keep away from extreme heat

Materials to Avoid: Keep away from chlorine, fluorine, and other strong oxidizers.

Hazardous Decomposition Products: None identified.

SECTION 11 – TOXICOLOGICAL INFORMATION

Eye Contact: Prolonged or repeated contact may cause eye irritation.

Skin Contact: Prolonged or repeated contact may cause skin irritation.

Inhalation: No significant health hazards identified

Ingestion: No significant health hazards identified.

Primary Routes of Entry: None identified.

- ACUTE EXPOSURE --

Toxicological testing has not been conducted on this product.

Dermal Toxicity No data available to indicate product or components may be a dermal toxicity hazard.

Inhalation Toxicity No data available to indicate product or components may be a toxic inhalation hazard.

Oral Toxicity No data available to indicate product or components may be an oral toxicity.

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

Inhalation Sensitization No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Toxicological testing has not been conducted on this product.

Chronic Toxicity No data available to indicate product or components present at greater than 1% are chronic health hazards.

Carcinogenicity No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

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

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

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

SECTION 12 – ECOLOGICAL INFORMATION

-- ENVIRONMENTAL TOXICITY --

Ecotoxicity: Not determined.

-- ENVIRONMENTAL FATE --

Persistence and Degradability: No data available.

Bioaccumulative Potential: Not measured.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

SECTION 13 – DISPOSAL INFORMATION

Do not empty into drains; dispose of this material and its container as non-hazardous waste. Observe all federal, state and local regulations when disposing of this substance. This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. This material, if discarded, should be considered a European non-hazardous waste in accordance with Directive 91/689/EC.

European Waste Catalog Code (EWC-code): 13 01 12

SECTION 14 – TRANSPORTATION INFORMATION

UN Number:	Not regulated.
UN Proper Shipping Name:	Not regulated.
Transport Hazard Class:	Not regulated.
Package Group:	Not regulated.
Marine Pollutant:	No
Special Precautions:	None

SECTION 15 – REGULATORY INFORMATION

-- Global Chemical Inventories --

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

EEC All components are in compliance with the EC 7th Amendment Directive 92/32/EEC.

Canada All components of this material are DSL listed or are exempt.

-- Other U.S. Federal Regulations --

EPA 550-B-01-003 This product does not contain greater than 1.0% of any chemical substances (0.1% for carcinogens) listed on the Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-To-Know Act (EPCRA) and Clean Air Act Section 112(r): EPCRA Section 302 Extremely Hazardous Substances, CERCLA Hazardous Substances, EPCRA Section 313 Toxic Chemicals, CAA 112(r) Regulated Chemicals For Accidental Release Prevention.

SARA 311 Classifications

Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
Immediate (Acute) Hazard	No
Delayed (Chronic) Hazard	No

-- State Regulations --

Cal. Prop. 65 This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, Fluid Metrics does not routinely analyze its products for impurities which may be such chemicals.

-- Other / International --

Harmonized Tariff Schedule Number 3403.99.0000

SECTION 16 – OTHER INFORMATION

Label text:

Handling: No special requirements if handled with reasonable care.

First Aid:

Eye: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin: After contact with skin, take off immediately all contaminated clothing, wash immediately with plenty of soap and water.

Inhalation: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Ingestion: If swallowed, do not induce vomiting: seek medical advice immediately.

Fire: In case of fire use dry chemical, carbon dioxide, foam, steam, or water fog.

Spill or Leak: To clean the floor and all objects contaminated by this material use an inert absorbent material.

The information in this document is supplied in good faith and understood to be accurate as of the date given above. No warranty, express or implied is given, as legal requirements may change over time. The user is ultimately responsible for compliance with all usage and disposal regulations. Information in this document, unless noted otherwise, pertains to the product as shipped, not after use. Normal and customary industrial practices may dictate safety and usage precautions not anticipated or covered in this document.

Date Translated: N/A

This SDS originated in English. Context errors associated with the translation to other languages are avoided to the best of our ability. If the translation is unclear, please reference the English version.