



Safety Data Sheet

PAO 46

SDS Revision Date: 6/28/19

Section 1: Chemical Product and Company Identification

1.1 Product Identifier

Product Identity

Alternate References

PAO 46

3003154320

Synthetic Lubricant, Rotary Compressor Fluid

1.2 Relevant Identified Uses of the Substance/Mixture and Uses Advised Against

Intended Use

Industrial Rotary Compressor Lubricant

1.3 Details of Supplier of the Safety Data Sheet

Company Name

Emac Compressor Parts
2101 Westinghouse Blvd. Suite D
Charlotte, NC 28273

Customer Service: Edmac Compressor Parts

(800) 866-2959

sales@edmac.com

Emergency Spill Information:

704-504-4066 (US)

Section 2: Hazards Identification

2.1 GHS Product Classification

None

2.2 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.

2.3 Risk Phrases

None

2.4 Safety Phrases

S24, S26, S29/35, S36/37/39, S57, S62, S63

2.5 HMIS Code

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

2.6 NFPA Code

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

2.7 WHMIS Code

None

Section 3: Composition/Ingredient Information

Reportable Hazardous Substance or Complex Substance: There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First Aid Measures



4.1 Description of First Aid Measures

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

Eyes: 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.

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

4.2 Most Important Symptoms and Effects (Acute and Delayed)

Overview: Mild irritation may occur with overexposure. Treat symptomatically.

Section 5: Fire Fighting Measures

5.1 Extinguishing Media

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

Unsuitable Extinguishing Media: Never use water.

5.2 Special Hazards Arising from the Substance/Mixture

Keep away from extreme heat and open flames.

5.3 Advice for Fire-Fighters

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

5.4 Hazardous Combustion Products

Incomplete combustion results in oxides of carbon.

Section 6: Accidental Release Measures

6.1 Personal Precautions

Wear suitable protective clothing and gloves.

6.2 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.

6.3 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

7.1 Precautions for Safe Handling

No special requirements if handled with reasonable care. Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

7.2 Conditions for Safe Storage

Keep in a cool place away from open flames. No special storage precautions required.

Section 8: Exposure Controls/Personal Protection

8.1 Engineering Controls

In case of insufficient ventilation wear suitable respiratory equipment.

8.2 Protective Equipment

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

Section 9: Chemical and Physical Properties

Appearance:

Clear, amber colored liquid

Odor:

Mild



Odor Threshold:	Not Determined
pH:	7-8.5 Method / ASTM D1293
Melting Point/Freezing Point:	Pour Point < -40°C (-40 °F)
Initial Boiling Point:	Not applicable, decomposes
Flash Point:	224°C (435 °F) (Base fluid) / Method: ASTM D93
Evaporation Point:	Not Determined
Flammability:	Not Flammable
Upper/Lower Explosive Limits:	Not Determined
Vapor Pressure:	< 0.133 kPa (1 mm Hg) at 20 ° / ASTM D5482
Vapor Density:	Not Determined
Specific Gravity:	0.85 g/cm ³ @ 25 °C / Method: ASTM D1475
Solubility in Water:	Insoluble, floats on top of water.
Partition Coefficient:	Not Determined / Method: ASTM E1147
Autoignition Temperature:	Not Determined / Method: ASTM E659
Decomposition Temperature:	Not Determined / Method: ASTM E2550
Viscosity:	46 cSt @ 40 °C / Method: ASTM D445

Section 10: Stability and Reactivity

10.1 Chemical Stability

Material is normally stable at moderately elevated temperatures and pressures.

10.2 Possibility of Hazardous Reactions

None.

10.3 Conditions to Avoid

Keep away from extreme heat.

10.4 Incompatible Materials

Keep away from chlorine, fluorine, and other strong oxidizers.

10.5 Hazardous Decomposition Products

None identified.

Section 11: Toxicological Information

Eye Contact: Mildly irritating to eyes.

Skin Contact: Prolonged or repeated contact may cause skin irritation. High pressure injection into or under the skin should be considered a medical emergency, and treated immediately.

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard. Base fluid data indicates LC 50 > 5000 mg/m³.

Ingestion: No significant health hazards identified. Base fluid data indicated LD 50 > 5000 mg/kg.

Primary Routes of Entry: None identified.

11.1 Acute Toxicity

Toxicological testing has not been conducted on this product.

Dermal Toxicity: The LD 50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.

Inhalation Toxicity: No data available to indicate product may be a toxic inhalation hazard, but not recommended for breathing air compressors.

Oral Toxicity: The LD50 in rats is > 5000 mg/kg. based on data from base fluid or similar materials. Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain.

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

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

11.2 Chronic Exposure



Toxicological testing has not been conducted on this formulated product. Available data from base fluid component does not indicate any specific concerns.

Section 12: Ecological Information

12.1 Environmental Toxicity

No known significant effects or critical hazards

Freshwater Fish Toxicity: Not determined.

12.2 Persistence and Degradability

Not determined.

12.3 Bioaccumulative Potential

Not determined.

12.4 Mobility in Soil

Not determined.

12.5 Other Adverse Effects

None identified.

Section 13: Disposal Information

Do not empty into drains; dispose of this material and its container as non-hazardous waste.

US EPA Disposal as "Specification waste oil."

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.

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:

Not Determined

Special Precautions:

None

Section 15: Regulatory Information

15.1 Global International 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.

Section 16: Other Information

EPCRA: This material contains no extremely hazardous substances.

SARA 311 Classifications:

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Immediate (Acute) Hazard: No

Delayed (Chronic) Hazard: No

15.3 State Regulations



California Proposition 65: Not known to contain any substances listed under Proposition 65, known to the State of California to cause cancer, birth defects or other reproductive harm, in concentrations which would require a warning under the statute.

Section 16: Other Information

Label text:

Handling: No special requirements if handled with reasonable care.

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.

Date Revised: March 12, 2015

Supersedes: None

Date Prepared: 21 September 2015

The information provided herein is believed to be accurate to the best of the company's knowledge as of the date of its issue. We do not warrant or guarantee the information provided and will not be held liable for any loss or damage from its use.