



# Safety Data Sheet

R-590

SDS Revision Date: 06/28/19

## Section 1: Chemical Product and Company Identification

### 1.1 Product Identifier

#### Product Identity

Alternate References

3003810320  
Synthetic Vacuum Pump Lubricant

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

#### Intended Use

Industrial Vacuum System

### 1.3 Details of Supplier of the Safety Data Sheet

#### Company Name

Edmac Compressor Parts  
2101 Westinghouse Blvd, Suite D  
Charlotte, NC, 28273

**Customer Service: Edmac Compressor Parts**

(800) 866-2959

**Emergency: Chemtrec (USA)**

(704) 504-4066 (US)

## Section 2: Hazards Identification

### 2.1 GHS Product Classification

None.

### 2.3 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:** S24, S26, S29/35, S36/37/39, 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/Ingredient Information

### 3.1 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.

\* Concentration is percent by weight. There are no additional 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

**Special Treatment:** Treat symptomatically.

**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)

Mild irritation may occur with overexposure.

### Section 5: Fire Fighting Measures

#### 5.1 Suitable Extinguishing Media

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

#### 5.2 Unsuitable Extinguishing Media

Never use water.

#### 5.3 Special Hazards Arising from the Substance/Mixture

Keep away from extreme heat and open flames.

#### 5.4 Hazardous Combustion Products

Incomplete combustion results in oxides of carbon.

#### 5.5 Fire Fighting Equipment

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

### 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 Clean up

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

|                                      |  |
|--------------------------------------|--|
| <b>Appearance:</b>                   | Clear, amber colored liquid                        |
| <b>Odor:</b>                         | Mild   |
| <b>Odor Threshold:</b>               | Not Determined                                     |
| <b>pH:</b>                           | 7-8.5, Method: ASTM D664 initial (16% dilution)    |
| <b>Melting Point/Freezing Point:</b> | Pour Point (-25°F)                                 |
| <b>Initial Boiling Point:</b>        | Not applicable, decomposes                         |
| <b>Flash Point:</b>                  | 224°C (435 °F) (Base fluid), Method: ASTM D93      |
| <b>Evaporation Point:</b>            | Not determined                                     |
| <b>Flammability:</b>                 | Not Flammable                                      |
| <b>Upper/Lower Explosive Limits:</b> | Not determined                                     |
| <b>Vapor Pressure:</b>               | < 0.133 kPa (1 mm Hg) at 20°C, ASTM D5482          |
| <b>Vapor Density:</b>                | Not determined                                     |
| <b>Specific Gravity:</b>             | 0.90 g/cm <sup>3</sup> @ 25 °C, Method: ASTM D1475 |
| <b>Solubility in Water:</b>          | insoluble, floats on top of water                  |
| <b>Partition Coefficient:</b>        | Not determined, Method: ASTM E1147                 |
| <b>Autoignition Temperature:</b>     | Not determined, Method: ASTM E659                  |
| <b>Decomposition Temperature:</b>    | Not determined, Method: ASTM E2550                 |
| <b>Viscosity:</b>                    | 101.4 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/m<sup>3</sup>

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

**Primary Routes of Entry:** None identified

### 11.1 Acute Exposure

Toxicological testing has not been conducted on this product.

**Dermal:** LD50, rabbit >2000 mg/kg based on ingredients. No data available to indicate product or components may be a dermal toxicity or sensitization hazard.

**Inhalation:** No data available to indicate product or components may be an inhalation toxicity or sensitization hazard.



**Oral:** LD50, rat >2000 mg/kg based on ingredients. No data available to indicate product or components may be an oral toxicity.

**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. Statement below is based on information from the supplier of one of the base fluids:

"The NTP Center for Evaluation of Risks to Human Reproduction has concluded that there is negligible concern for reproductive effects in adults and minimal concern for developmental effects in fetuses and children due to DIDP exposure."

## Section 12: Ecological Information

**Environmental Effects: No known significant effects or critical hazards.**

### 12.1 Environmental Toxicity

No known significant effects or critical hazards.

### 12.2 Environmental Fate

**Persistence and Degradability:** Not determined.

**Bioaccumulative Potential:** Not determined.

**Mobility in Soil:** Not determined.

**Other Adverse Effects:** None identified.

## Section 13: Disposal Information

### 13.1 Waste Disposal of Substance

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:** No

**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.

### 15.2 Other U.S. Federal Regulations

**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

**Cal. Prop. 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

### 15.4 Regulatory Lists

1 = CA P65 CARC    6 = MI 293

2 = **CA P65 REPRO**    7 = MN RTK

3 = CA RTK            8 = NJ RTK

4 = **IL RTK**            9 = **PA RTK**

5 = LA RTK            10 = RI RTK

Code key: CARC=Carcinogen; REPRO=Reproductive; RTK=Right to Know

## Section 16: Other Information

### 16.1 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.

**Date Revised** 06/28/19

**Supersedes:** None

**Date Prepared** 05/03/14

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.