



# Safety Data Sheet

F200 3/16"

SDS Revision Date: 06/12/19

## Section 1: Chemical Product and Company Identification

### 1.1 Product Identifier

#### Product Identity

Alternate References

3003100130

Metal Oxides

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

#### Intended Use

Refrigeration Lubricants

### 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**

(800) 424-9300

## Section 2: Hazards Identification

### 2.1 GHS Product Classification

None

### 2.2 Hazard Symbol

No symbol

### 2.3 Signal Word

No signal word

### 2.4 Hazard Statement

Not applicable

### 2.5 Precautionary Statement

CAUTION:

May be harmful if inhaled.

May cause difficulty breathing.

Inhalation of dust may result in respiratory irritation.

Prolonged and repeated exposure of dust may cause lung damage.

Contact with the eyes or skin may cause mechanical irritation.

Avoid inhalation of dusts.

Avoid contact with the skin, eyes and clothing.

## Section 3: Composition/Ingredient Information

### 3.1 General Information



**CAS Number**  
1344-28-1

**Content (W/W)**  
94.0 - 100.0 %

**Chemical name**  
Aluminum Oxide (NON-FIBROUS)

## Section 4: First Aid Measures

### 4.1 Description of First Aid Measures

**General:** Remove contaminated clothing.

**Inhalation:** Keep patient calm, remove to fresh air. If necessary, give oxygen. If not breathing, give artificial respiration. Seek medical attention if necessary.

**Eyes:** In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

**Skin:** After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists.

**Ingestion:** No hazards anticipated. If large quantities are ingested, seek medical advice.

### 4.2 Most Important Symptoms and Effects (Acute and Delayed)

Symptoms: No significant reaction of the human body to the product known.

## Section 5: Fire Fighting Measures

### 5.1 Extinguishing Media

Use extinguishing measures to suit surroundings.

### 5.2 Unsuitable Extinguishing Media

Not applicable.

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

Hazards during fire-fighting:

No particular hazards known.

### 5.4 Advice for Fire-Fighters

Wear self-contained breathing apparatus and chemical-protective clothing.

## Section 6: Accidental Release Measures

### 6.1 Personal Precautions

Avoid dust formation. Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Information regarding personal protective measures see, section 8.

### 6.2 Environmental Precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

### 6.3 Methods and Materials for Cleanup

Vacuum up spilled product. Place into suitable container for disposal.

## Section 7: Handling and Storage

### 7.1 Precautions for Safe Handling

Avoid dust formation in confined areas. Avoid contact with the skin, eyes and clothing. Ensure adequate ventilation.

Protection against fire and explosion:

Product is not explosive..



### 7.2 Conditions for Safe Storage

Segregate from reducing agents.

Suitable materials for containers: carbon steel (iron), Low density polyethylene (LDPE), High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed in a cool, well-ventilated place.

### 7.3 Specific End Use(s)

Not Applicable

## Section 8: Exposure Controls/Personal Protection

### 8.1 Control Parameters

#### Components with occupational exposure limits

Aluminum oxide	OSHA PEL	PEL 5 mg/m3 Respirable fraction ; PEL 15 mg/m3 Total dust ;
	ACGIH TLV	TWA value 1 mg/m3 Respirable fraction ;

#### Advice on system design:

Provide local exhaust ventilation to control dust. Provide local exhaust ventilation to maintain recommended P.E.L..

### 8.2 Exposure Controls

**Respiratory:** Wear a NIOSH-certified (or equivalent) particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134). Wear appropriate certified respirator when exposure limits may be exceeded.

**Eyes:** Safety glasses with side-shields.

**Skin:** Wear chemical resistant protective gloves., Consult with glove manufacturer for testing data.

**Engineering Controls:** N/A

**Other Work Practices:** No eating, drinking, smoking or tobacco use at the place of work

## Section 9: Chemical and Physical Properties

<b>Appearance:</b>	The form is derived from the trade name
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not applicable
<b>pH:</b>	9.4 - 10.1
<b>Melting Point/Freezing Point:</b>	2,050 °C
<b>Initial Boiling Point:</b>	Non-flammable
<b>Flash Point:</b>	Non-flammable
<b>Evaporation Point:</b>	Not applicable
<b>Flammability:</b>	Not applicable
<b>Upper/Lower Explosive Limits:</b>	Not applicable
<b>Vapor Pressure @ 100 °C:</b>	Not applicable <b>Vapor</b>
<b>Density:</b>	Not applicable
<b>Relative Density</b>	Not applicable
<b>Specific Gravity:</b>	Not applicable
<b>Solubility in Water:</b>	Not applicable
<b>Partition Coefficient:</b>	Not applicable
<b>Autoignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	Not applicable
<b>Viscosity:</b>	66.3 mm <sup>2</sup> /s ( 104 °F (40 °C) ) 8.9 mm <sup>2</sup> /s (100 °C (212 °F) )
<b>Bulk Density:</b>	38.0 - 52 lb/ft <sup>3</sup> ( 68 °F)



**Molar Mass:**

101.96 g/mo

**Pour Point Temperature:**

Not applicable

## Section 10: Stability and Reactivity

### 10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

not fire-propagating

Formation of flammable gases:

Remarks: Forms no flammable gases in the presence of water

### 10.2 Chemical Stability

This product is chemically stable

### 10.3 Possibility of Hazardous Reactions

No hazardous reactions known

### 10.4 Conditions to Avoid

Avoid deposition of dust. Avoid dust formation

### 10.5 Incompatible Materials

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products known.

Thermal decomposition:

No decomposition if used correctly

## Section 11: Toxicological Information

### 11.1 Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### 11.2 Information on toxicological effects

#### Acute Toxicity

Assessment of acute toxicity: Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion.

#### Oral

*Information on: Aluminum oxide*

*Type of value: LD50*

*Species: rat*

*Value: > 10,000 mg/kg (similar to OECD guideline 401)*

*The data refer to a preparation of the substance.*

*No mortality was observed. No systemic toxicity.*

#### Inhalation

*Information on: Aluminum oxide*

*Type of value: LC50*

*Species: rat*

*Value: > 2.3 mg/l (similar to OECD guideline 403)*

*Exposure time: 4 h*

*Tested as dust aerosol.*

*No mortality was observed.*



### **Chronic Effect**

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components. The product has been assessed on the basis of the components' available data. To some extent data gaps exist for individual components. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

## **Section 12: Ecological Information**

### **12.1 Environmental Toxicity**

No data available

### **Aquatic Toxicity:**

#### **12.2 Toxicity to Fish**

Information on: Aluminum oxide

LC50 (96 h) > 218.64 mg/l, Pimephales promelas (Fish test acute, semistatic)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. Tested above maximum solubility.

#### **12.3 Aquatic Invertebrates**

Information on: Aluminum oxide

No observed effect concentration (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static) Tested above maximum solubility. The details of the toxic effect relate to the nominal concentration.

#### **12.4 Chronic Toxicity to Fish**

Information on: Aluminum oxide

EC10 (7 d) 0.0938 mg/l, Pimephales promelas (semistatic)

#### **12.5 Chronic Toxicity to Aquatic Invertebrates**

Information on: Aluminum oxide

No observed effect concentration (21 d) 0.076 mg/l, Daphnia magna (OECD Guideline 211, semistatic) The statement of the toxic effect relates to the analytically determined concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### **12.6 Additional Information**

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components. The product has been assessed on the basis of the components' available data. To some extent data gaps exist for individual components. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

## **Section 13: Disposal Information**

### **13.1 Waste Disposal of Substance**

Dispose of in accordance with local authority regulations. Check for possible recycling. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. All waste materials should be reviewed to determine the applicable hazards (testing may be necessary).

## **Section 14: Transportation Information**

### **Land Transport:**

USDOT



**Sea Transport:**  
**Air Transport:**

IMDG  
IATA/ICAO

## **Section 15: Regulatory Information**

### **15.1 US Federal Regulations**

**Registration status:**

Chemical TSCA, US released / listed

**NFPA Hazard codes:**

Health : 1 Fire: 0 Reactivity: 0 Special:

**HMIS III rating**

Health: 1 Flammability: 0 Physical hazard:0

## **Section 16: Other Information**

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