



Safety Data Sheet

F200 1/8"

SDS Revision Date: 06/12/19

Section 1: Chemical Product and Company Identification

1.1 Product Identifier

Product Identity

Alternate References

3003100030

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

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