

## Safety Data Sheet

### Section 1: Identification

**Product Identifier:** Magnesite (Magnesium Oxychloride) bonded abrasive products

**Manufacturer:** Anchor Abrasives Co.  
 7651 W. 185<sup>th</sup> Street  
 Tinley Park, IL 60477 USA

**Phone:** (708) 444-4300  
 (8:00 am - 4:00 pm CST)

**Date of Preparation:** 02/10/2020

**Recommended Use:** Disc Grinding

### Section 2: Hazard(s) Identification

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200

**Label Elements**

Not Applicable

**Supplemental Labeling:** Prolonged exposure to elevated noise levels during operations may affect hearing. A greater hazard, in most cases, is the exposure to the dust/fumes from the material or paint/coatings being ground. Most of the dust generated during grinding is from the base material being ground and the potential hazard from this exposure must be evaluated. This dust may present a fire or dust explosion hazard and may present a serious health hazard.

### Section 3: Composition / Information on Ingredients

Component	CAS #	Wt. %
Aluminum Oxide	1344-28-1	50-90
Silicon Carbide	409-21-2	50-90
Magnesium Oxide	1309-38-4	0-5
Magnesium Oxychloride	n/a	20-30
Inert Fillers	n/a	0-40

## Section 4: First Aid Measures

**Eyes:** Remove contact lenses if present and easy to do. Flush eyes thoroughly with large amounts of water, holding eyelids open. If irritation persists, seek medical attention.

**Skin:** Wash skin with soap and water. If irritation or other symptoms develop, seek medical attention.

**Ingestion:** Do not induce vomiting. Rinse mouth with water. Seek medical attention if large amount is swallowed or if you feel unwell.

**Inhalation:** Move person to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Seek medical attention if irritation or other symptoms persist.

**Most important symptoms/effects, acute and delayed:** Dust may cause eye and respiratory irritation. Prolonged inhalation of high concentration of dust may cause adverse effects on the lungs. Exposure to dust generated from processing the base material or coatings may present additional health hazards.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention should not be required.

## Section 5: Fire-Fighting Measures

**Extinguishing Media:** Water Foam, Dry Chemical, CO<sub>2</sub>

**Unusual Hazards:** Organic dust/air mixtures are highly flammable avoid dust accumulations and sources of ignition.

**Special Fire-Fighting Procedures:** No special protective actions are anticipated.

## Section 6: Accidental Release Measures

**Steps to be taken in case of spill:** Collect in most convenient and safe manner for disposal.

**Waste Disposal Method:**

In accordance with Federal, State, and Local regulations as a dry solid.

## Section 7: Handling and Storage

**Precautions for Safe Handling:**

Organic dust/air mixtures are highly flammable. Avoid dust accumulations and sources of ignition. Dust deposits should not be allowed to accumulate on surfaces. Avoid breathing of dust created when grinding. Damaged product can cause serious injury during use. Handle and store in accordance with ANSI B7.1 "Safety Requirements for the use, care and Protection of Abrasive Wheels". Inspect grinding wheels for damage upon arrival and prior to mounting.

## Section 8: Exposure Controls / Personal Protection

Silicon Carbide	5 mg/m <sup>3</sup> TWA (respirable) OSHA PEL 15 mg/m <sup>3</sup> TWA (total dust) OSHA PEL 3 mg/m <sup>3</sup> TWA (respirable) ACGIH TLV 10 mg/m <sup>3</sup> TWA (inhalable) ACGIH TLV
Aluminum Oxide	5 mg/m <sup>3</sup> TWA (respirable) OSHA PEL 15 mg/m <sup>3</sup> TWA (total dust) OSHA PEL 1 mg/m <sup>3</sup> TWA ACGIH TLV
Magnesium Oxychloride	None Established

### **Engineering Controls:**

Provide appropriate dust collection and ventilation systems suitable for a grinding operation. Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

### **Respiratory Protection.**

Not necessary unless workplace concentrations of hazardous constituents exceed the exposure limits. If the exposure levels are excessive and irritation or other symptoms are experienced, an approved respirator should be worn. Consider the potential for exposure to components of the coatings or base material being ground in selecting proper respiratory protection. Refer to OSHA's specific standards for lead, cadmium, etc. where appropriate. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134 and ANSI Z88.2 or other applicable regulations and standards and good Industrial Hygiene practice.

### **Eye/Face Protection:**

Safety glasses with side shield are highly recommended.

### **Skin/Hand Protection:**

Wear gloves suitable for a grinding operation.

## Section 9: Physical and Chemical Properties

**Boiling Point:** n/a

**Specific Gravity:** 1.5-3.0 g/cc

**Vapor Pressure:** n/a

**Melting Point:** n/a

**Solubility in Water:** Negligible

**Appearance and Odor:** Brown to black solid, no odor.

## Section 10: Stability and Reactivity

**Stability:** Stable

**Conditions to avoid:** None Known

**Incompatibility:** Strong Organic Oxidizers

**Hazardous Decomposition:** n/a

**Hazardous Polymerization:** Will not occur

## Section 11: Toxicological Information

### **Acute effects of exposure:**

**Inhalation:** Breathing dust may cause irritation to the nose, throat and upper respiratory tract.

**Skin Contact:** May cause abrasive skin irritation.

**Eye Contact:** May cause abrasive irritation and injury.

**Ingestion:** Not toxic. Swallowing may cause gastrointestinal disturbances or obstruction.

**Chronic Health Effects:** Prolonged inhalation of respirable dust may cause adverse lung effects, including cancer. Chronic effects may be aggravated by smoking. Prolonged exposure to elevated noise levels during operations may affect hearing. A greater hazard, in most cases, is the exposure to the dust/fumes from the material or paint/coatings being ground. Most of the dust generated during grinding is from the base material being ground and the potential hazard from this exposure must be evaluated.

## Section 12: Ecological Information

No Eco toxicological studies are available.

## Section 13: Disposal Considerations

Dispose in accordance with all local, state and national regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

## Section 14: Transport Information

Not regulated per U.S. DOT, IATA or IMO.

## Section 15: Regulatory Information

**SARA Section 311/312 Hazard Categories:** N/A

**SARA Section 313:** This product is not subject to SARA 313 reporting.

## Section 16: Other Information

**HMIS Rating:** Health: 1

Flammability: 0

Reactivity: 0

Personal Protection: 0

**Issue date:** 02/10/2020

*All information and recommendations appearing on this Safety Data sheet are based upon data believed to be reliable. It is the user's responsibility to determine the suitability for their own use and to comply with all applicable regulations. No guarantee, either expressed or implied is made by Anchor Abrasives Co. as to the safety and toxicity of the product, nor does Anchor Abrasives Co. assume any liability arising from the use of this product.*