

# SAFETY DATA SHEET

## SECTION 1: Product and Company Identification

### 1.1. Product identifier

Product code                      Commutator Dressing and Finishing Stones  
Grade EC; Grade C; Grade M; Grade F; Grade P; Grade EP;  
Grade SRC; Grade SRM; Grade SRF

Issue date                         07-May-2015

Version number                    01

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses                    Abrasive stone

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer/Supplier

Company name                    Martindale Electric Co.  
Address                            1375 Hird Avenue  
Cleveland, OH 44107

Telephone                         216-521-8567

Email                                [sales@martindaleco.com](mailto:sales@martindaleco.com)

### 1.4. Emergency telephone

Number                             216-521-8567

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Not classified

### 2.2 GHS Label elements, including precautionary statements

Pictogram                         None

Signal word                        None

Hazard statement(s)              None

Precautionary statement(s)    None

### 2.3. Hazards not otherwise classified (HNOC) or not covered by GHS - none

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### General information

Chemical name	% Concentration	CAS-No.	Classification
Aluminum Oxide	70-95	1344-28-1	None
Cured Resin	5-20	N/A	None
Furfural	<5	98-01-1	H227, H301, H312, H319, H330, H351, H402

DSD: Directive 67/548/EEC. CLP: Regulation No. 1272/2008.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

### 4.3 Indication of any immediate medical attention and special treatment needed:

No data available

## SECTION 5: Firefighting measures

### 5.1. Fire Hazard Data:

Autoignition: Not applicable

Flash Point: Not applicable

Flammability Limits (vol/vol%): Lower: Not applicable Upper: Not applicable

Extinguishing Media: Product is not flammable, combustible or explosive. Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures: Use self-contained breathing apparatus with full face mask.

No special fire-fighting procedures required. No need to extinguish.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions: Avoid dust formation. In case of dust exposure, wear protective equipment specified in Section 8 of this Safety Data Sheet.

Environmental precautions: No specific precautions. Discard any product, residue, disposable container or liner in compliance with regulatory requirements.

Methods for cleaning up: Avoid dry sweeping. Use water spraying/flushing or ventilated vacuum cleaning system. Use closed containers.

## SECTION 7: Handling and storage

### 7.1. Handling: Avoid dust formation. Do not breathe dust. Use adequate exhaust ventilation and dust collection. Keep airborne dust concentrations below permissible exposure limits. Do not rely on your sight to determine if dust is in the air. In case of insufficient ventilation, wear a respirator approved for dust when using, handling, storing or disposing of this product or bag. Practice good housekeeping. Do not permit dust to collect on walls, floors, sills, ledges, machinery, or equipment. Maintain, clean, and fit test respirators in accordance with OSHA standards. Maintain and test ventilation and dust collection equipment. Wash and vacuum clothing that has become dusty.

### 7.2. Storage: Ensure trapping of dust produced during loading and unloading.

### 7.3. Specific uses: Apply safe handling recommendations in Section 7.1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Component	CAS-No.	Value	Control parameters	Basis
Aluminum Oxide	1344-28-1	TWA	15 mg/m <sup>3</sup>	USA. Occupational Exposure Limits

Furfural	98-01-1	TWA	7.9 mg/m <sup>3</sup>	(OSHA) – PEL Total Dust
		TWA	20 mg/m <sup>3</sup>	USA. ACGIH Threshold Limit Values (TLV)
				USA. OSHA PEL

## 8.2. Exposure controls

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hand before breaks and at the end of workday.

### Personal Protective Equipment:

Eye/face protection: Safety glasses with side-shields. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

a) Appearance	Form: solid
b) Odor	Possible during use
c) Melting point/freezing point	no data available
d) Initial boiling point and boiling range	no data available
e) Vapor pressure	no data available
f) Vapor density	no data available
g) Specific gravity	>1
h) Solubility in water	no data available
i) Solubility in alcohol	no data available
j) Solubility in other solvents	no data available
k) Evaporation rate	no data available

### 9.2. Other safety information

no data available

## SECTION 10: Stability and reactivity

- 10.1 Reactivity  
no data available
- 10.2 Chemical stability  
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions  
no data available
- 10.4 Conditions to avoid  
no data available
- 10.5 Incompatible materials  
Strong acids, Hydrogen fluoride
- 10.6 Hazardous decomposition products  
Other decomposition products - no data available  
In the event of fire: see section 5

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity  
no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation  
no data available

Serious eye damage/eye irritation  
no data available

Respiratory or skin sensitization  
no data available

Germ cell mutagenicity  
no data available

Carcinogenicity  
no data available

Reproductive toxicity  
no data available

Specific target organ toxicity -single exposure  
no data available

Specific target organ toxicity - repeated exposure  
no data available

Aspiration hazard  
no data available

Additional Information  
RTECS: Not available

## **SECTION 12: Ecological information**

- 12.1 Toxicity  
no data available
- 12.2 Persistence and degradability  
no data available
- 12.3 Bioaccumulative potential  
no data available
- 12.4 Mobility in soil  
no data available
- 12.5 Results of PBT and vPvB assessment  
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- 12.6 Other adverse effects  
no data available

## **SECTION 13: Disposal considerations**

13.1. Waste treatment methods: Discard any product, residue, disposable container or liner in full compliance with local, state and federal regulations.

13.2. Container handling and disposal: Dispose of container and unused contents in accordance with local, state and federal regulations.

## **SECTION 14: Transport information**

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

Packaging group Not regulated

## SECTION 15: Regulatory information

### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313.

	Revision Date
Aluminum oxide (fibrous) – CAS-No. 1344-28-1	1994-04-01

### SARA 311/312 Hazards

	Revision Date
Aluminum oxide – CAS-No. 1344-28-1	
Massachusetts Right-To-Know Substance List	
New Jersey Right-To-Know Components	
Pennsylvania Right-To-Know Components	
Furfural – CAS-No. 98-01-1	
California OELs/PELs	2014-10-01
Indiana Occupational Health and Safety Standards	1995
Kentucky Occupational Health and Safety Standards	98-01-1
Massachusetts Right-To-Know Substance List	
Minnesota Hazardous Substances List	2008-06-11
New Jersey Right-To-Know Components	2010-08-02
New York City Community Right-to-Know Hazardous Substance List	
Oregon Rules for Air Contaminates	
Pennsylvania Right-To-Know Components	
Rhode Island Hazardous Substances Tight-to-Know Act	2011-07
Tennessee OELs Occupational Exposure Limits	2008-06
Texas Effects Screening Levels	2014-03-17

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## SECTION 16: Other information

### HMIS Rating

Health Hazard: 1  
Chronic Health Hazard: \*  
Flammability: 0  
Physical Hazard: 0

### NFPA Rating

Health Hazard: 1  
Fire Hazard: 0  
Reactivity Hazard: 0

### Hazard statements

H227 Combustible liquid.  
H301 Toxic if swallowed.  
H312 Harmful in contact with skin.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H351 Suspected of causing cancer.  
H402 Harmful to aquatic life.

### Further Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Martindale Electric Co. and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Preparation Information  
Martindale Electric Co.  
216-521-8567