

SAFETY DATA SHEET

SECTION 1: Product and Company Identification

1.1. Product identifier

Product code Rubrite Flexible Abrasives
Issue date 24-April-2018
Version number 01

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

Identified uses Soft Rubber Bonded Polishing and Grinding Wheels

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

1.4. Emergency telephone

Number 216-521-8567

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

The product is not hazardous in the form supplied. Bonded abrasives are not dangerous products as defined in EU Directive N.88/379. While using the product during the grinding process a certain amount of dust is generated. The greatest proportion of the dust generated is derived from the material being ground. Appropriate ventilation and dust collection equipment should be operated during the grinding process. Suitable personal protection equipment should be used. Observe safety regulations when grinding aluminum and its alloys. Observe the safety recommendations for proper use of bonded abrasives, for further information consult the FEPA Safety Code.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	% Concentration	CAS-No.
Silicon Carbide*	0-40	409-21-2
Aluminum Oxide*	0-40	1344-28-1
Acrylic Latex (Synthetic Rubber Latex)	0-15	
Inert Fillers	0-30	
Cured Rubber	0-15	

* Materials are regulated by OSHA 29 CFR 1910.1200 Hazard Communication Standard

SECTION 4: First aid measures

4.1. Description of first aid measures

If inhaled: In the absence of appropriate dust collection and ventilation equipment excessive generation of dust may arise which can affect breathing efficiency. The person should stop work and move to fresh air until breathing efficiency is restored to normal levels.

In case of skin or eye contact: Excessive generation of dust during the grinding process can, in the absence of suitable personal protection equipment cause slight irritation.

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 essentially non-combustible but may create fumes if exposed to flames. Breathing apparatus should be worn when fighting fires. If safe to do so, remove undamaged product from the fire area to minimize hazard. Use extinguishing media appropriate for surrounding fire.

SECTION 6: Accidental release measures

6.1. No special measures required. Follow normal clean-up procedures for non- hazardous waste.

SECTION 7: Handling and storage

7.1. Handling: All abrasive products are breakable, due care should be exercised during handling and storage to prevent damage.

Handle the abrasive product carefully to prevent dropping or bumping.

Prior to mounting, all abrasives should be inspected by the user for damage and cracks. Abrasive products that show evidence of cracks, abusive handling or abusive storage should not be mounted.

7.2. Storage: Abrasive products should NOT be exposed to

(a) Water or other solvents.

(b) Any temperature or humidity conditions that cause condensation on the wheel.

(c) Extremes of temperature.

Abrasive products should be stored in such a manner as to allow for retrieval without disturbing or damaging adjacent product.

Storage records should be maintained to ensure that abrasive products are used on a rotational basis.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Component	CAS-No.	Value	Control parameters	Basis
Silicon Carbide	409-21-2	TWA	10 mg/m ³	ACGIH – TLV Total Dust
Aluminum Oxide	1344-28-1	TWA	15 mg/m ³	USA. Occupational Exposure Limits (OSHA) – PEL Total Dust

8.2. Exposure controls

Eye and face protection: All personnel exposed to grinding operations should wear safety goggles or safety spectacles. Such safety devices should be in accordance with ANSI 287.1. or equivalent local standard.

Protective clothing: When the grinding operation presents a potential hazard to the operator, or adjacent personnel, appropriate protective clothing should be worn.

Respiratory protection: Use approved dust respirators to maintain dust exposure limits below threshold limit values (TLV).

Safety guards and machine maintenance: Adhere to guidelines as recommended by the machine manufacturer.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- | | |
|------------------------------------|--|
| a) Appearance
abrasive | Smooth surface except for cutting face, which is roughened with obvious presence of grain. |
| b) Odor | Absent. May give off non-specific odor in use. |
| c) Melting point/freezing
point | Not applicable |
| d) Water solubility | Not soluble in water |
| e) Specific gravity | Various according to grit size. |
| f) Color | Red, Black, Brown, Grey |

SECTION 10: Stability and reactivity

10.1. Reactivity:

Inert

10.2. Chemical stability:

Stable under standard condition of use and normal conditions of storage.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Product classified as non-toxic.

SECTION 12: Ecological information

12.1. The product is not soluble in water and is suitable as landfill material.

SECTION 13: Disposal considerations

13.1. The user of this product bears the responsibility to dispose of unused material and residues in compliance with all relevant local and national regulations.

The product does not require any special disposal considerations and is suitable as land-fill material.

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

Appropriate personal protection equipment should be worn during the grinding process.

Supervisors and operators should refer to the relevant standards and guidelines (American National Standard Institute A.N.S.I. B7.1 - 1988, Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations (COSHH)).

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.

	CAS-No.	Revision Date
Aluminum oxide	1344-28-1	1994-04-01

SARA 311/312 Hazards

Chronic Health Hazard

Massachusetts Right-To-Know Components

	CAS-No.	Revision Date
Aluminum oxide	1344-28-1	1994-04-01

Pennsylvania Right-To-Know Components

	CAS-No.	Revision Date
Aluminum oxide	1344-28-1	1994-04-01

New Jersey Right-To-Know Components

	CAS-No.	Revision Date
Aluminum oxide	1344-28-1	1994-04-01

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

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