

Safety Data Sheet (SDS)

Aluminum Oxide Flap Disc

DOI:202210

SECTION 1. IDENTIFICATION

Product Identifier: SDS No. 0010 rev1
Name: Aluminum Oxide Flap Disc
CAS No: 1344-28-1
Index No: None
REACH Registration No: None
Recommended Use: Carbon Steel, Sheet metal and Stainless steel grinding
Restrictions on Use: Use only as directed.
Manufacturer / Supplier: Rigo Abrasives

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)

Hazard category: None
Hazard statement: None
Directive 67/548/EEC or Directive 1999/45/EC Hazard characteristics: None
Hazard pictograms: None
Signal word: None
Hazard statements: None
Precautionary statements: None
Other hazards: Dust may cause irritation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Aluminum Oxide	1344-28-1	15-25	
Zirconia Oxide	1314-23-4	12-18	
Polycotton Cloth	113669-95-7	10-15	
Cured Epoxy Adhesive	68609-97-2	10-15	
Fiberglass backing	65997-17-3	20-40	

SECTION 4. FIRST-AID MEASURES

Ø **Eye Contact:** if dust enters the eyes, wash the eyes immediately with clean running water. Do not press hard nor rub them. Get medical treatment if necessary.
Ø **Skin contact:** Signs/symptoms may include abrasion, redness, pain, and itching.
Ø **Inhalation :** in the case of dust inhalation, dust from cutting, grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat irritation.

Most Important Symptoms and Effects, Acute and Delayed

Acute: Irritation and redness of eyes. Coughing and shortness of breath.

Delayed: Skin, eye, or respiratory tract irritation

Target Organs: Respiratory system.

Identification of any immediate medical attention and special treatment: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point (Method Used): N/A

Flammable Limits: LEL: N/A UEL: N/A

Extinguishing Methods: Choke extinguishing method (May be incombustible under normal conditions.)

Ø Use water, powder, carbon dioxide, foam extinguishers, etc. for early-stage fire.

Ø Use water and foam extinguishers to cool and block air for large scale fire.

Ø Gases generated under heating contain hazardous substances. Wear respiratory protectors for fire fighting

SECTION 6. ACCIDENTAL RELEASE MEASURES

Ø After the flap discs purchase must inspect whether defers to the stipulation symbol, factory sign, specification, grinding compound code number, granularity, degree of hardness, maximum use speed, and manufacture years.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid generating dusts. Wear personal protective equipment to avoid direct contact with this material.

Conditions for Safe Storage:

Store in an area that is dry.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

Biological limit values:	No data
DNEL/PNEC-values:	No data
Exposure controls	
Appropriate engineering controls:	Adequate dust ventilation required.
Personal protective equipment	
Hand protection:	Gloves if desired
Eye protection:	Goggles if desired.
Body protection:	Clean clothing to cover skin.
Respiratory protection:	Approved NIOSH dust mask if recommended exposure levels are exceeded.
Environmental exposure controls:	None

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties			
Appearance:	Granular powder/ Crystalline		
Color:	Red		
Odor:	Odorless		
Odor threshold:	Not Applicable		
pH:	Not Applicable		
Boiling point/range:	Not Applicable		
Flash point:	Incombustible		
Evaporation rate:	Not Applicable		
Flammability (solid, gas):	Not Available	Upper/lower flammability/explosive limits:	Not Available
temperature:	Not Available	Auto-ignition	
Decomposition temperature:	Not Available		
Vapor pressure:	Not Applicable		
Vapor density:	Not Applicable		
Relative density:	2.46 – 2.49 g/cm3		
Solubility:	Insoluble		
Viscosity, dynamic (20 °C):	Not Available		
Viscosity, kinematic:	Not Available		
Explosive properties:	Not Available		
Oxidizing properties:	Not Available		
Partition coefficient: n-Octanol/Water:	Not Applicable		
Physical hazards:	Not Available		
Other information:	No additional information		

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Avoid contact with strong acids.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None under normal use conditions.
Conditions to avoid:	Dust generation without adequate ventilation.
Incompatible materials:	Soluble in hydrofluoric acid.
Hazardous decomposition products:	None

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects	
Acute toxicity:	None
Skin corrosion/irritation:	May cause mechanical skin irritation. Not corrosive.
Serious eye damage/irritation:	May cause mechanical eye irritation.
Respiratory or skin sensitization:	Material is irritating to mucous membranes and upper respiratory tract. May cause lung injury. It is expected to be a low hazard for normal industrial handling.
Germ cell mutagenicity:	No data
Carcinogenicity:	Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Reproductive toxicity:	None
Specific target organ toxicity (single exposure):	None
Specific target organ toxicity (repeated exposure):	None
Aspiration hazard:	No data
Other information:	None

SECTION 12. ECOLOGICAL INFORMATION

Toxicity	
Acute toxicity:	None known
Persistence and degradability:	No data
Bioaccumulative potential:	The product has low potential for bioaccumulation
Mobility in soil:	No data
Results of PBT & PvB assessment:	No data
Other adverse effects:	No known significant effects or critical hazards

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods	
Recommendations:	If product becomes contaminated, follow disposal instructions for contaminant. Dispose of in accordance to federal, state, and local regulations. Do not allow product to reach sewage system. Recycle packaging if possible.
Additional information:	None

SECTION 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Inland waterway Transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	None	None	None	None
Transport hazard class(es)	None	None	None	None
Hazard label(s)	None	None	None	None

Packing group	None	None	None	None
Environmental hazards	None	None	None	None

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture US Federal regulations

- TSCA Chemical Inventory Status: All components of this product are listed.
- CERCLA Reportable Quantity: None.
- SARA Title III:
 - Section 302 Extremely Hazardous Substances: None.
 - Section 304 Emergency Release Reporting: None.
 - Section 311/312 Hazardous Categories: None.
 - Section 313 Toxic Categories: None.
- Clean Air Act of 1990 – Title VI: This material does not contain, nor was it manufactured using ozone depleting chemicals.

US State regulations

- Info California Proposition 65: Not listed.
- Massachusetts Right to Know List: Not listed.
- New Jersey Right to Know List: Not listed.
- Pennsylvania Right to Know List: Not listed.

Canadian Regulations:

- WHMIS Classification: Exempt
- DSL (Domestic Substance List): All components of this product are listed on the DSL.

EU Regulations (EINECS 231-545-4)

- Indication of Danger: Not dangerous.
- Risk Phrases: None
- Safety Phrases: None
- This product is considered non-dangerous in accordance with 1999/45/EC.

Chemical Safety Assessment: No

SECTION 16. OTHER INFORMATION

Ø After the flap discs purchase must inspect whether defers to the stipulation symbol, factory sign, specification, grinding compound code number, granularity, degree of hardness, maximum use speed, and manufacture years.

Ø The wheels must measure with the eye the inspection before the use, please not use the disrepair disc.

Ø The operator should wear the protective products (such as protective goggles, ear protectors, protective gloves etc). It's not allowed to use the disc over the MAX speed.

Any operator should use the correct operation. Any problems caused by the wrong