

FORNEY INDUSTRIES

SAFETY DATA SHEET

71978

Section 1 Identification of the Product and Company

- 1.1 Product Name: Flap disc, Type 27 and 29
- 1.2 Forney SKUs: **71978, 71979, 71981, 71983**
- 1.3 Company name: Forney Industries, Inc.
- Address: 2057 Vermont Drive
Fort Collins, CO 80525 USA
- Phone: 800-521-6038; EMERGENCY PHONE: 800-535-5053
- 1.4 Product use: For light material removal, blending and polishing

Section 2 Hazards Identification

2.1 Description of hazards

- Respiratory Disc dust is a respiratory irritant
- Skin Disc dust and fiberglass reinforcement is a skin irritant
- Ingestion Acute product toxicity unknown
- Eyes Disc dust is an eye irritant
- Hazard Status This product is classified as non-hazardous under OSHA HCS 29 CFR 1910.1200

2.2. Precautionary statements

Wear Respirator, eye protection, and protective clothing when using product
Product will produce sparks and debris when in use, avoid using product near reactive or flammable substances or electrical equipment
Discard if product comes in contact with water

Section 3 Composition

Ingredient	Formula	%Weight	OSHA regulated	CAS#
Aluminum Oxide	Al ₂ O ₃	15-30	No	1344-28-1
Zirconium Oxide	ZrO ₂	0-15	No	1314-23-4
Coating Filler		0-15	No	15096-52-3
Cloth			No	
Cured resin		15 - 20	No	
Fiberglass backing		39- 50	No	65997-17-3
Zinc	Zn		No	7440-66-6

Section 4 First Aid Measures

4.1 First Aid for exposure

Dust Inhalation:	Terminate exposure and remove to fresh air. Obtain medical assistance.
Ingestion:	Obtain medical assistance.
Absorption:	N/A
Skin contact:	Terminate exposure and remove to fresh air. Obtain medical assistance.
Eye:	Flush eyes with water

4.2 Signs and Symptoms of Exposure

Acute:	May cause coughing and shortness of breath during grinding. Skin irritation. Eye irritation.
Chronic:	Decreased lungcapacity

Section 5 Fire Fighting Measures

5.1	Means Of Extinction:	Water or carbon dioxide
5.2	Unusual Fire or Explosion Hazards:	None
	Flammable Properties:	None
5.3	Special Fire Fighting Procedures:	Consult NFPA or CFPA procedures

Section 6 Accidental Release Measures

Normal clean up procedures should be used if material is released.
Gloves and a respirator are recommended to clean up used material.

Section 7 Handling, Storage and Use Procedures

- 7.1 Handling: Avoid damage to Disc. Do not drop. Do not use a disc that has been damaged. Always handle in accordance with ANSI B7.1.
- 7.2 Storage: Avoid excessive temperatures in storage. Store in a dry area. Discard if disc gets wet.

Section 8 Exposure controls and Personal Protection

8.1 Exposure limits

Chemical	OSHA PEL	ACGIH TLV
Aluminum Oxide	15 mg/m ³	10mg/m ³
Zirconium Oxide	N/A	10mg/m ³
Cured resin	N/A	N/A
Cloth	N/A	N/A
Fiber Glass	5mg/m ³	10mg/m ³

8.2 Personal Protection requirements and referrals

- Respiratory: OSHA/NIOSH approved respirator. See OSHA 29 CFR 1910.134/ European Standard EN 149
- Ventilation: Engineering Controls recommended. See ANSI Z43.1. Refer to OSHA 29 CFR 1910.94.
- Protective Gloves: Leather gloves
- Eye Protection: Protective eyewear such as safety glasses or face shield. Refer to OSHA 29 CFR 1910.133.
- Hearing Protection: Hearing protection such as approved ear muffs or ear plugs. Refer to OSHA 29 CFR 1910.95.
- Body Protection: Leather apron, chaps, or shoe coverings to shield from heavy spark showers in operation .
- Hygienic Practices: Wash with soap and water after handling and grinding.

Section 9 Physical and Chemical Properties

Boiling Point	N/A	Specific Gravity	2 - 4
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR=1)	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water	Slight	Appearance	Dark colored solid
Lower And Upper Explosion Limits	N/A	Odor	Plastic
Flammable Limits	N/A	Degradation Temperature	Starts at 250 °C
Flash Point	N/A		

Section 10 Stability and Reactivity

Avoid excessive moisture and humidity, temperature extremes and contact with acids or solvents
Not incompatible with any materials
No known hazardous reactions will occur
At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated.

Section 11 Toxicological information

11.1 Acute Toxicity Data

Chemical	Route of Exposure	Acute LDSO
Aluminum Oxide	oral	>5000 mg/kg (rat)
Zirconium Oxide	oral	>8800 mg/kg (mouse)
Cured resin	N/A	N/A
Cloth	N/A	N/A
Fiberglass	N/A	N/A

11.2 Toxicological Effects

Dust Inhalation	Coughing and shortness of breath, aggravation, decreased lung capacity of medical conditions such as asthma or emphysema
Ingestion	Large quantity consumption can cause stomach pain
Absorption	N/A
Skin contact	Grinding wheel may cause abrasions Dust may cause skin irritation
Eye	Dust or fumes may cause eye irritation
Carcinogenicity	Unknown
Mutagenicity	Unknown
Reproductive Effects	Unknown

Section 12 Ecological Information

No data available.

Section 13 Disposal Considerations

Dispose in accordance to Local and Federal Regulations.

Section 14 Transport Information

Not regulated as a hazardous material for transport.

Section 15 Regulatory Information

No data available.

Section 16 Other Information

SDS Revision Date: August 25, 2015

Reason for update: Require new SDSs to be in a uniform format

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