



SDS Number: Flap Disc
Revision Date: 4/4/2025

SAFETY DATA SHEET

This Safety Data Sheet (SDS) covers welding consumables and related products and complies with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Superfund Amendments and Reauthorization Act (SARA) of 1986. Refer to the OSHA standard for specific requirements. This SDS is available on our website at www.forneyind.com, through your sales representative, or by contacting customer service at 1-800-521-6038.

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION:

Manufacturer/Supplier: Forney Industries, Inc.
Address: 2057 Vermont Drive Fort Collins, CO 80525
Website: www.forneyind.com
Email: CustomerService@forneyind.com
Phone Number: +1 (800) 521-6038
USA Emergency Phone Number: +1 (800) 535-5053
International Emergency Phone Number: +1 (352) 323-3500
Trade Name: Flap Disc

Recommended Use: For light material removal, blending and polishing

Forney ITEM#'s: 71920, 71921, 71922, 71930, 71931, 71932, 71933, 71985, 71986, 71987, 71988, 71991, 71992, 71993

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



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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS:

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 lung capacity

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.



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SECTION 7 – HANDLING AND STORAGE:

- 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		



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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 LD50
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.



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SECTION 16 – OTHER INFORMATION:

The information and recommendations set forth herein are taken from sources and references believed to be accurate and complete as of the date hereof. However, Random Products Inc makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.