



FAITHFULL TOOLS
Phoenix House, 3 White Lodge Business Estate,
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www.fairhfulltools.com

01/02/2019

Version: 1.0

Flap Disc

SAFETY DATA SHEET

SECTION 1 - Identification of the Product and Company

1.1 Product Name: Flap Disc, Type 29 and 27

1.2 Product Use: For stainless steel. Steel grinding

1.3 Company Details: FAITHFULL TOOLS

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Norwich, Norfolk, NR4 6DG, United Kingdom.

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SECTION 2 - Hazard Information

2.1 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

2.2 Description of Hazards

Respiratory Wheel dust is a respiratory irritant

Skin Wheel dust and fiberglass reinforcement is a skin irritant

Ingestion Acute product toxicity unknown

Eyes Wheel dust is an eye irritant

SECTION 3 - Composition

<u>Ingredient</u>	<u>Formula</u>	<u>% Weight</u>	<u>OSHA Regulated</u>	<u>Cas #</u>
Zirconium Oxide	ZrO ₂	15-30	No	1344-28-1
Aluminium Oxide	Al ₂ O ₃	0-15	No	1314-23-4
Cured Epoxy Adhesive		10-15	No	65997-17-2
Fiberglass backing		35-45	No	65997-17-3

01/02/2019

Version: 1.0

SECTION 4 - First Aid

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.

SECTION 7- Storage, Handling and Use Procedures

7.1 Handling: Avoid damage to wheel. Do not drop. Do not use a wheel 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 wheel gets wet.

SECTION 8- Personal Protective Control Measures

8.1 Control parameters

Not established.

8.2 Appropriate engineering controls

Not required.

8.3 Personal protective equipment:

espiratory protection: Not required.

Hand protection: Not required.

Eye/face protection: Not required.

Skin/body protection: Not required

SECTION 9- Physical/Chemical Characteristics



01/02/2019

Version: 1.0

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 Data

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 Data

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 Toxological 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



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SECTION 14- Transport Information

Not regulated as a hazardous material for transport

SECTION 15- Regulatory Information

National Regulation

In accordance with the laws of the People's Republic of China about Hazardous Chemicals.

SECTION 16- Other Information

SDS Revision Date: Jan 1, 2018

COMPANY USE

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, Rigo 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.