



Resin Fibre Discs - Aluminum Oxide, Zirconia Alumina

Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Resin Fibre Discs - Aluminum Oxide, Zirconia Alumina

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

Use of the substance/mixture : Material removal for the purpose of cleaning, deburring and finishing of metal and non-metal components.

1.3. Details of the supplier of the safety data sheet

Weiler Corporation
1 Weiler Drive
Cresco, PA 18326

1.4. Emergency telephone number

Emergency number : 570-595-7495

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product as manufactured is defined as an article per 29 CFR 1910.1200. No exposure hazards are anticipated during normal product handling conditions. In most cases, the material(s) removed from the workpiece may present a greater hazard than material released by the product. Based upon the materials that are contained within the working portion of this product it is possible that some dust particles from this product may be generated. The following safety data is presented for potential exposure hazards as associated with the dust particles that are related to this product.

Classification (GHS-US)

Not classified

2.2. Label elements

GHS-US labeling

This product as manufactured is defined as an article, therefore no labeling is required for the product as manufactured.

2.3. Other hazards

Supplemental labelling: A greater hazard, in most cases, is the exposure to the dust/fumes from the material or paint/coatings being ground. Most of the dust generated during grinding is from the base material being ground and the potential hazard from this exposure must be evaluated. This dust may present a fire or dust explosion hazard and may present a serious health hazard

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|-------------------------------|---------------------|---------|---|
| Aluminum oxide | (CAS No) 1344-28-1 | 15 - 20 | Not classified |
| Trisodium hexafluoroaluminate | (CAS No) 15096-52-3 | 15 - 20 | Acute Tox. 4 (Inhalation), H332 STOT RE 1, H372 Aquatic Chronic 2, H411 |
| Zirconium oxide | (CAS No) 1314-23-4 | 15 - 20 | Not classified |
| Ceramic aluminum oxide | None | <= 10 | Not classified |

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim from source of exposure to fresh air. If breathing is difficult administer oxygen. Seek medical attention.

First-aid measures after skin contact : Wash with soap and water. Seek medical advice if skin irritation develops or persists.

First-aid measures after eye contact : Flush with plenty of water for at least 15 minutes. Seek medical advice if irritation develops or persists.

First-aid measures after ingestion : Seek medical attention.

Resin Fibre Discs - Aluminum Oxide, Zirconia Alumina

Safety Data Sheet

4.2. Most important symptoms and effects, both acute and delayed

| | |
|--------------------------------------|--|
| Symptoms/injuries after inhalation | : Dusts may cause coughing, shortness of breath. Prolonged breathing of dusts may affect breathing capacity. |
| Symptoms/injuries after skin contact | : Dusts may cause irritation. May cause abrasions. |
| Symptoms/injuries after eye contact | : Dust may irritate or damage the eyes without protection. |
| Symptoms/injuries after ingestion | : None under normal use. |

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Use water, carbon dioxide, foam or dry chemical. |
| Unsuitable extinguishing media | : None. |

5.2. Special hazards arising from the substance or mixture

| | |
|------------------|---------------|
| Fire hazard | : None known. |
| Explosion hazard | : None known. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Firefighters should wear full protective gear. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

None.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---------------------------------|
| For containment | : No special measures required. |
| Methods for cleaning up | : No special measures required. |

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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|-------------------------------|-----------------------------------|
| Precautions for safe handling | : Handle with care, avoid impact. |
|-------------------------------|-----------------------------------|

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--------------------|---|
| Storage conditions | : During storage, occasionally a formaldehyde or phenolic resin odor may be released. |
|--------------------|---|

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Aluminum oxide (1344-28-1) | | |
|--|-------------------------------------|--|
| ACGIH | Not applicable | |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) |
| Trisodium hexafluoroaluminate (15096-52-3) | | |
| ACGIH | Not applicable | |
| OSHA | Not applicable | |

Resin Fibre Discs - Aluminum Oxide, Zirconia Alumina

Safety Data Sheet

| Zirconium oxide (1314-23-4) | |
|-----------------------------|----------------|
| ACGIH | Not applicable |
| OSHA | Not applicable |

Note: Consideration should be given to the base material and coating that are being worked upon.

8.2. Exposure controls

Appropriate engineering controls:

Utilize adequate ventilation to minimize the exposure to airborne particulates and maintain the concentration of contaminants below the occupational exposure limits.

Respiratory Protection:

When exposure limits are exceeded or when the dust concentrations are excessive, approved respirators for those conditions should be used. When selecting the respiratory protection equipment, consideration of the exposure to the coating or the base materials being worked on should be included. Local regulations and standards should be followed where appropriate. The type of respiratory equipment used should be selected according to the contaminate type, form and concentration being produced. Select and use respirators in accordance with applicable regulations and good industrial hygiene practice.

Hand protection:

The use of cloth or leather gloves is recommended.

Eye Protection:

Safety goggles or face shield over safety glasses with side shields.

Hearing Protection:

Hearing protection may be required.

Skin and body protection:

The use of protective clothing should be used as needed to prevent the contamination of personal clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | : Solid |
| Appearance | : Fibre coated with an abrasive material |
| Odor | : Odorless |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |
| Vapor pressure | : No data available |
| Specific gravity | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Solubility | : Insoluble |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |

Resin Fibre Discs - Aluminum Oxide, Zirconia Alumina

Safety Data Sheet

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

During use, dust and decomposing resin fumes are generated.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Aluminum oxide (1344-28-1) | |
|--|--------------|
| LD50 oral rat | > 5000 mg/kg |
| Trisodium hexafluoroaluminate (15096-52-3) | |
| LD50 oral rat | > 5 g/kg |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| Zirconium oxide (1314-23-4) | |
|-----------------------------|----------------------|
| BCF fish 1 | (no bioaccumulation) |

12.4. Mobility in soil

No additional information available

Resin Fibre Discs - Aluminum Oxide, Zirconia Alumina

Safety Data Sheet

12.5. Other adverse effects

- Effect on ozone layer : No additional information available
- Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

- In accordance with DOT
- Not a dangerous good as defined in transport regulations

SECTION 15: Regulatory information

15.1. US Federal regulations

Aluminum oxide (1344-28-1)

- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Listed on SARA Section 313 (Specific toxic chemical listings)
- | | |
|---------------------------------------|-----------------------|
| SARA Section 313 - Emission Reporting | 1.0 % (fibrous forms) |
|---------------------------------------|-----------------------|

Trisodium hexafluoroaluminate (15096-52-3)

- Listed on the United States TSCA (Toxic Substances Control Act) inventory

Zirconium oxide (1314-23-4)

- Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations

Aluminum oxide (1344-28-1)

- U.S. - Massachusetts - Right To Know List
- U.S. - Minnesota - Hazardous Substance List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) List

Trisodium hexafluoroaluminate (15096-52-3)

- U.S. - New Jersey - Right to Know Hazardous Substance List

Zirconium oxide (1314-23-4)

- U.S. - Massachusetts - Right To Know List

SECTION 16: Other information

Full text of H-phrases::

| | |
|---------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhalation) Category 4 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1 |
| H332 | Harmful if inhaled |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H411 | Toxic to aquatic life with long lasting effects |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product