

# Safety Data Sheet



**Product Name:** Convolute Wheel,  
Aluminum Oxide

**Revision Date:** August 29, 2018  
**Issue Date:** April 24, 2015

## 1. Product and Company Identification

**Product Name:** Aluminum Oxide Products

**Product Description:** Convolute Wheel

**Company Address:**

Schaffner Manufacturing Co. Inc.  
21 Herron Ave.  
Emsworth, Pa. 15202

**Contact Information:**

Telephone: 412-761-9902  
Emergency Telephone: 412-761-9902  
Internet: [www.schaffnermfg.com](http://www.schaffnermfg.com)

## 2. Hazards Identification

**Signal Word:** Warning

**Primary Entry Routes:** Skin contact, eye contact

**Target Organs:** Skin, eyes

**Acute Effects**

**Inhalation:** Irritation possible from prolonged contact

**Eye:** Irritation possible from prolonged contact

**Skin:** Irritation possible from prolonged contact

**Ingestion:**

**Carcinogenicity:** IARC, NTP, and OSHA do not list this as carcinogenic.

**Medical Conditions Aggravated by Long-Term Exposure:** N/A

**Chronic Effects:** N/A

## 3. Composition - Information on Ingredients

| Ingredient Name  | CAS Number |
|------------------|------------|
| Aluminum Oxide   | 1344-28-1  |
| Polyurethane     | 9009-54-5  |
| Talc             | 14807-96-6 |
| Calcium Stearate | 1592-23-0  |
| Nylon            | 32131-17-2 |
| Phenolic Resin   | 9003-35-4  |

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| Ingredient       | OSHA PEL              |                       | ACGIH TLV            |             | NIOSH REL           |             | NIOSH IDLH  |
|------------------|-----------------------|-----------------------|----------------------|-------------|---------------------|-------------|-------------|
|                  | TWA                   | STEL                  | TWA                  | STEL        | TWA                 | STEL        |             |
| Aluminum Oxide   | 15 mg/m <sup>3</sup>  | 5 mg/m <sup>3</sup>   | 1 mg/m <sup>3</sup>  | none estab. | none estab.         | none estab. | none estab. |
| Polyurethane     | 766 mg/m <sup>3</sup> | 958 mg/m <sup>3</sup> | none estab.          | none estab. | none estab.         | none estab. | none estab. |
| Talc             | 2 mg/m <sup>3</sup>   | none estab.           | 2 mg/m <sup>3</sup>  | none estab. | 2 mg/m <sup>3</sup> | none estab. | none estab. |
| Calcium Stearate | none estab.           | none estab.           | 10 mg/m <sup>3</sup> | none estab. | none estab.         | none estab. | none estab. |
| Nylon            | 15 mg/m <sup>3</sup>  | none estab.           | 10 mg/m <sup>3</sup> | none estab. | none estab.         | none estab. | none estab. |
| Phenolic Resin   | 19 mg/m <sup>3</sup>  | none estab.           | 19 mg/m <sup>3</sup> | none estab. | none estab.         | none estab. | none estab. |

## 4. First Aid Measures

### Emergency and First Aid Procedures

**Inhalation:** Cough to clear throat. Seek Medical Attention

**Eye Contact:** Rinse with water for 15 minutes. Seek medical attention.

**Skin Contact:** Rinse with water.

**Ingestion:** Give water. Seek Medical attention.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** None

**Special Precautions/Procedures:** It is recommended that safety glasses and dust mask be worn during operation.

## 5. Fire Fighting Measures

**Flash Point:** N/A

**Flash Point Method:** N/A

**Burning Rate:** N/A

**Autoignition Temperature:** N/A

**LEL:** N/A

**UEL:** N/A

**Flammability Classification:** N/A

**Extinguishing Media:** Water, carbon dioxide, and Foam

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**Unusual Fire or Explosion Hazards:** N/A

**Hazardous Combustion Products:** N/A

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

## 6. Accidental Release Measures

**Environmental Precautions:** No special precautions required, disposal must be made in accordance with Federal, State and Local regulations.

**Clean-up Methods:** Clean up and dispose of in accordance with applicable laws.  
container.

## 7. Handling and Storage

**Handling:** Protective gloves are recommended for prolonged handling.

**Storage:** Store in a cool, dry area.

**Incompatible Products:** N/A

## 8. Exposure Controls/ Personal Protection

### Engineering Controls:

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

### Administrative Controls:

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

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**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## 9. Physical and Chemical Properties

**Physical State:** Solid

**Appearance and Odor:** Red/Brown

**Odor Threshold:** N/A

**Vapor Pressure:** N/A

**Vapor Density (Air=1):** N/A

**Formula Weight:** none estab.

**Density:** N/A

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** N/A

**pH:** N/A

**Water Solubility:** N/A

**Other Solubilities:** N/A

**Boiling Point:** N/A

**Freezing/Melting Point:** N/A

**Viscosity:** N/A

**Refractive Index:** N/A

**Surface Tension:** N/A

**% Volatile:** N/A

**Evaporation Rate:** N/A

## 10. Stability and Reactivity

**Stability:** All Schaffner Products are stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** N/A

**Conditions to Avoid:** N/A

**Hazardous Decomposition Products:** N/A

## 11. Toxicological Information

**Carcinogenicity:** This product is not carcinogenic according to the OSHA Hazard Communication Standard.

**Acute Toxicity:** On the skin can cause mild irritation.  
On the eye can cause mild irritation.  
Ingestion - can cause mild irritation.

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## 12. Ecological Information

**Ecological Toxicity:** Not Determined

**Environmental Fate:** Not Determined

## 13. Disposal Considerations

**Recommended Method of Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**EPA Hazardous Waste Number:** Not listed (40 CFR 261.33): N/A

## 14. Transport Information

**Handling Precautions:** N/A

**Storage Requirements:** No special requirements

### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** N/A  
**Shipping Symbols:** N/A  
**Hazard Class:** N/A  
**ID No.:** N/A  
**Packing Group:** N/A  
**Label:** N/A  
**Special Provisions (172.102):** N/A

**Packaging Authorizations**  
a) **Exceptions:** N/A  
b) **Non-bulk Packaging:** N/A  
c) **Bulk Packaging:** N/A

**Quantity Limitations**  
a) **Passenger, Aircraft, or Railcar:** N/A  
b) **Cargo Aircraft Only:** N/A

**Vessel Stowage Requirements**  
a) **Vessel Stowage:** N/A  
b) **Other:** N/A

## 15. Regulatory Information

### U.S. Federal Regulations:

**TSCA Status:** All Components of this product are listed on the TSCA Inventory  
**CERCLA Reportable Quantity:** Unknown

### SARA Title III:

**Section 302 Extremely Hazardous Substances:** None.  
**Section 311/312 Hazard Categories:** Immediate (Acute), Chronic

### California Proposition 65:

**⚠ WARNING:** This product can expose you to Silica, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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## 16. Other Information

**HMIS: Health: 1**

**Flammability: 1**

**Reactivity: 0**

**Prepared By:** Schaffner Manufacturing Company, Inc

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