SAFETY DATA SHEET
according to WHMIS 2015 and ANSI Z400.1-2010

Organic Bonded Abrasives, Type 3
Material number 051

Revision date: 18/12/2015  Date of print: 22/4/2016

1. Product and company identification

Product identifier
Trade name: Organic Bonded Abrasives, Type 3
This safety data sheet pertains to the following product:
POLIFLEX® finishing points, GR bond

Relevant identified uses of the substance or mixture and uses advised against
General use: Fine grinding and finishing of different kinds of materials.
For industrial purposes only

Details of the supplier of the safety data sheet
Company name: PFERD INC.
Street/POB-No.: 9201 W. Heather Ave.
Postal Code, city: Milwaukee, WI 53224, USA
WWW: www.pferdusa.com
E-mail: sales@pferdusa.com
Telephone: 262-509-5614
Telefax: 262-255-2840
Dept. responsible for information: 1-800-342-9015

Emergency number
USA: 1-800-342-9015 (7:00 a.m.-5:00 p.m. Central Time)
Canada: 1-866-245-1555 (8:00 a.m. - 4:30 p.m. eastern standard time)

2. Hazards identification

Emergency overview
Appearance: Form: solid
Color: varying colors
Odor: No data available
Classification: Article not subject to hazard labeling or classification.

Regulatory status
This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified
Mechanical processing can produce particles and dust.
Inhalation of dust may cause irritation of the respiratory system.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation: Fine grinding points
Relevant ingredients:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Designation</th>
<th>Content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS 1344-28-1</td>
<td>Aluminium oxide</td>
<td>&lt; 75 %</td>
<td>not applicable</td>
</tr>
<tr>
<td>CAS -</td>
<td>Rubber vulcanized</td>
<td>&lt; 50 %</td>
<td>not applicable</td>
</tr>
<tr>
<td>CAS 7631-86-9</td>
<td>Silicon dioxide</td>
<td>&lt; 3 %</td>
<td>not applicable</td>
</tr>
<tr>
<td>CAS 43035-18-3</td>
<td>C.I. Pigment Red 247</td>
<td>&lt; 0.5 %</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

4. First aid measures

In case of inhalation:
Fibers/dusts: Provide fresh air. If you feel unwell, seek medical advice.

Following skin contact:
Fibers/dusts: Remove residues with soap and water. In case of skin reactions, consult a physician.

After eye contact:
Fibers/dusts: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if any. In case of eye irritation consult an ophthalmologist.

After swallowing:
Fibers/dusts: Rinse mouth with water. Give water to drink in small sips. If you feel unwell, seek medical advice.

Most important symptoms and effects, both acute and delayed
Fibers/dusts: Can cause skin, eye and respiratory tract irritation.

Information to physician
Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range: No data available
Auto-ignition temperature: No data available
Suitable extinguishing media: Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Specific hazards arising from the chemical
At temperatures above 428 °F (250 °C) hazardous decomposition products may be generated.

Protective equipment and precautions for firefighters:
Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions: Avoid generation of dust. Do not inhale substance.
In case of heating: development of gas/vapor possible.
Provide adequate ventilation. Wear appropriate protective equipment.
Avoid contact with the substance. Keep unprotected people away.

Environmental precautions: Do not allow to penetrate into soil, waterbodies or drains.

Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal.
7. Handling and storage

Handling
Advises on safe handling:
Provide adequate ventilation, and local exhaust as needed. Avoid generation of dust.
In case of heating: development of gas/vapor possible.
Do not inhale substance. Wear appropriate protective equipment. Avoid contact with the
substance.

Storage
Requirements for storerooms and containers:
Store in a dry place. Protect from moisture contamination.
Hints on joint storage:
Do not store together with oxidizing agents or acids.
Do not store together with food.

8. Exposure controls / personal protection

Exposure guidelines
Occupational exposure limit values:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Designation</th>
<th>Type</th>
<th>Limit value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1344-28-1</td>
<td>Aluminium oxide</td>
<td>Canada, Alberta: OEL 8 hour</td>
<td>10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Canada, Québec: VEMP</td>
<td>10 mg/m³ (inhalable fraction)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA: OSHA: TWA</td>
<td>15 mg/m³ inhalable fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA: OSHA: TWA</td>
<td>5 mg/m³ (respirable fraction)</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>Silicon dioxide</td>
<td>USA: NIOSH: TWA</td>
<td>6 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA: OSHA: TWA</td>
<td>20 mppcf</td>
</tr>
<tr>
<td></td>
<td></td>
<td>USA: OSHA: TWA</td>
<td>80 mg/m³ total dust</td>
</tr>
</tbody>
</table>

Engineering controls
In the case of the formation of dust: Provide good ventilation and/or an exhaust system in
the work area. If not available, use respiratory protection.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)
Eye/face protection
For mechanical processing: Tightly sealed goggles according to OSHA Standard - 29

Skin protection
For mechanical processing: Wear suitable protective clothing and shoes.
For mechanical processing: Protective gloves according to OSHA Standard - 29 CFR:
1910.138.

Respiratory protection:
In case of dust formation or formation of aerosol:
The filter class must be suitable for the maximum contaminant concentration
(gas/vapour/aerosol/particulates) that may arise when handling the product. If the
concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:
For mechanical processing: Do not inhale substance. Avoid contact with skin and eyes.
When using do not eat, drink or smoke. Change contaminated clothing.
Wash hands before breaks and after work.
Work place should be equipped with a shower and an eye rinsing apparatus.
9. Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Form: solid</td>
</tr>
<tr>
<td></td>
<td>Color: varying colors</td>
</tr>
<tr>
<td>Odor</td>
<td>No data available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH value</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point/flash point range</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Additional information</td>
<td>No data available</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Reactivity: no data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions:

No hazardous reaction when handled and stored according to provisions.

Conditions to avoid:

No data available

Incompatible materials:

Oxidizing agents, acids.

Hazardous decomposition products:

At temperatures above 482 °F (250 °C) hazardous decomposition products may be generated.

Thermal decomposition:

No data available
11. Toxicological information

Toxicological tests

Toxicological effects:
- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

Other information:
- Chronic toxicity carcinogenic effect:
- Information about silicon dioxide:
  - IARC Rating: Group 3
  - OSHA Carcinogen: not listed
  - NTP Rating: not listed

Symptoms

In case of inhalation: Inhalation of dust may cause irritation of the respiratory system. Irritation of nose, throat, lung

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Packing can be recycled or disposed of.
14. Transport information

**USA: Department of Transportation (DOT)**
Proper shipping name: Not restricted

**Canada: Transportation of Dangerous Goods (TDG)**
Shipping name: Not restricted

**Sea transport (IMDG)**
Proper shipping name: Not restricted
Marine pollutant: no

**Air transport (IATA)**
Proper shipping name: Not restricted

**Further information**
No dangerous good in sense of these transport regulations.

15. Regulatory information

**National regulations - Canada**
No data available

**National regulations - U.S. Federal Regulations**
This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

16. Other information

**Hazard rating systems:**
- NFPA Hazard Rating:
  - Health: 1 (Slight)
  - Flammability: 0 (Minimal)
  - Reactivity: 0 (Minimal)
- HMIS Version III Rating:
  - Health: 1 (Slight)
  - Flammability: 0 (Minimal)
  - Physical Hazard: 0 (Minimal)
  - Personal Protection: X = Consult your supervisor

Date of first version: 18/12/2015

**Department issuing data sheet**
see section 1: Dept. responsible for information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products.