

# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



## Grinding Compounds

Material number 034

Revision date: 18/12/2015  
Version: 1

Language: en-CA,US

Date of print: 22/4/2016  
Page: 1 of 8

## 1. Product and company identification

### Product identifier

Trade name: Grinding Compounds  
This safety data sheet pertains to the following products:  
44220090 - 48770 GRINDING PASTE FELT/CLOTH SIC 90  
44220150 - 48771 GRINDING PASTE FELT/CLOTH SIC 150  
44220280 - 48772 GRINDING PASTE FELT/CLOTH SIC 280  
44220360 - 48773 GRINDING PASTE FELT/CLOTH SIC 360  
44220600 - 48774 GRINDING PASTE FELT/CLOTH SIC 600  
44220800 - 48775 GRINDING PASTE FELT/CLOTH SIC 800

### Relevant identified uses of the substance or mixture and uses advised against

General use: Grinding and sanding of different kinds of materials.  
For industrial purposes only

### Details of the supplier of the safety data sheet

|                                    |                             |  |
|------------------------------------|-----------------------------|--|
| Company name:                      | PFERD INC.                  | PFERD CANADA INC.  |
| Street/POB-No.:                    | 9201 W. Heather Ave.        | Street/POB-No.: 5570 McAdam Road                           |
| Postal Code, city:                 | Milwaukee, WI 53224,<br>USA | Postal Code, city: Mississauga, Ontario L4Z 1P1,<br>Canada |
| WWW:                               | www.pferdusa.com            | WWW: www.pferdusa.com                                      |
| E-mail:                            | sales@pferdusa.com          | E-mail: sales@pferdusa.com                                 |
| Telephone:                         | 262-509-5614                | Telephone: (905) 501-1555                                  |
| Telefax:                           | 262-255-2840                | Telefax: (905) 501-1554                                    |
| Dept. responsible for information: | 1-800-342-9015              | Dept. responsible for information: 1-866-245-1555          |

### Emergency phone 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: pasty  
Color: light brown  
Odor: characteristic  
Classification: This material is classified as not hazardous.

### 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

Special danger of slipping by leaking/spilling product.  
see section 11: Toxicological information

## 3. Composition / Information on ingredients

Chemical characterisation: Mixture containing the substances listed below:

# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



## Grinding Compounds

Material number 034

Revision date: 18/12/2015

Version: 1

Language: en-CA,US

Date of print: 22/4/2016

Page: 2 of 8

Relevant ingredients:

| CAS No.        | Designation                | Content   | Classification      |
|----------------|----------------------------|-----------|---------------------|
| CAS -          | Lubricant                  | 55 - 75 % | not applicable      |
| CAS 409-21-2   | Silicon carbide            | 25 - 45 % | not applicable      |
| CAS 14808-60-7 | Quartz (SiO <sub>2</sub> ) | < 0.3 %   | Carcinogenicity 1A. |

Additional information: The crystalline silica in the product is inextricably bound. Exposure is not expected in normal use of this product.

### 4. First aid measures

- In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.
- Following skin contact: Remove residues with soap and water. Change contaminated clothing. In case of skin reactions, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of eye irritation consult an ophthalmologist.
- After swallowing: Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.

#### Most important symptoms and effects, both acute and delayed

After contact with skin: slightly irritant

After eye contact: slightly irritant

#### Information to physician

Treat symptomatically.

### 5. Fire fighting measures

Flash point/flash point range:

415.4 °F (213 °C) (EN ISO 2592)

Auto-ignition temperature: No data available

Suitable extinguishing media:

Water fog, alcohol resistant foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

#### Specific hazards arising from the chemical

In case of fire may be liberated: silicon dioxide, metallic oxides, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Do not inhale explosion and combustion gases.

Do not allow water used to extinguish fire to enter drains, ground or waterways.

### 6. Accidental release measures

Personal precautions:

Provide adequate ventilation. Do not inhale substance. Wear appropriate protective equipment.

Avoid contact with the substance. Keep unprotected people away.

Environmental precautions:

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

# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



## Grinding Compounds

Material number 034

Revision date: 18/12/2015

Version: 1

Language: en-CA,US

Date of print: 22/4/2016

Page: 3 of 8

Methods for clean-up: Take up mechanically, placing in appropriate containers for disposal. Clean using cleansing agents. Do not use solvents.  
Special danger of slipping by leaking/spilling product.

## 7. Handling and storage

### Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.  
Avoid contact with skin and eyes. Wear appropriate protective equipment.

### Storage

Requirements for storerooms and containers:  
Store container tightly closed in a dry area.

Hints on joint storage: Do not store together with strong acids, strong bases or strong oxidizing agents.

# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



## Grinding Compounds

Material number 034

Revision date: 18/12/2015  
Version: 1

Language: en-CA,US

Date of print: 22/4/2016  
Page: 4 of 8

### 8. Exposure controls / personal protection

#### Exposure guidelines

Occupational exposure limit values:

| CAS No.         | Designation                               | Type                        | Limit value   |
|-----------------|---|-----------------------------|---|
| 409-21-2        | Silicon carbide                           | Canada, Alberta: OEL 8 hour | 0.1 fibers/cm <sup>3</sup><br>(fibrous, including whiskers; inhalable fraction)                                     |
|                 |   | Canada, Alberta: OEL 8 hour | 10 mg/m <sup>3</sup> (non-fibrous; inhalable fraction)  |
|                 |   | Canada, Alberta: OEL 8 hour | 3 mg/m <sup>3</sup> (non-fibrous; respirable fraction)  |
|                 |   | Canada, BC: OEL TWA         | 0.1 fibers/cm <sup>3</sup> (fibrous, including whiskers)  |
|                 |   | Canada, BC: OEL TWA         | 10 mg/m <sup>3</sup> (non-fibrous; inhalable fraction)  |
|                 |   | Canada, BC: OEL TWA         | 3 mg/m <sup>3</sup> (non-fibrous; respirable fraction)  |
|                 |   | Canada, Ontario: OEL TWA    | 0.1 fibers/cm <sup>3</sup><br>(fibrous, including whiskers; inhalable fraction)                                     |
|                 |   | Canada, Ontario: OEL TWA    | 10 mg/m <sup>3</sup> (non-fibrous; inhalable fraction)  |
|                 |   | Canada, Ontario: OEL TWA    | 3 mg/m <sup>3</sup> (non-fibrous; respirable fraction)  |
|                 |   | Canada, Québec: VEMP        | 10 mg/m <sup>3</sup> (non-fibrous; inhalable fraction)  |
|                 |   | USA: ACGIH: TWA             | 0.1 fibers/cm <sup>3</sup> (fibrous, including whiskers)  |
|                 |   | USA: ACGIH: TWA             | 10 mg/m <sup>3</sup><br>(inhalable fraction; particulate matter containing no asbestos and < 1% crystalline silica) |
|                 |   | USA: ACGIH: TWA             | 3 mg/m <sup>3</sup><br>(respirable fraction; particulate matter containing no asbestos and < 1% crystalline silica) |
|                 |   | USA: NIOSH: TWA             | 10 mg/m <sup>3</sup> inhalable fraction   |
| USA: NIOSH: TWA | 5 mg/m <sup>3</sup> (respirable fraction) |                             |   |
| 14808-60-7      | Quartz (SiO <sub>2</sub> )                | Canada, Alberta: OEL 8 hour | 0.025 mg/m <sup>3</sup>   |
|                 |   | Canada, BC: OEL TWA         | 0.025 mg/m <sup>3</sup>   |
|                 |   | Canada, Ontario: OEL TWA    | 0.1 mg/m <sup>3</sup> (respirable fraction)   |
|                 |   | Canada, Québec: VEMP        | 0.1 mg/m <sup>3</sup> (respirable fraction)   |
|                 |   | USA: ACGIH: TWA             | 0.025 mg/m <sup>3</sup> (respirable fraction)   |
|                 |   | USA: NIOSH: TWA             | 0.05 mg/m <sup>3</sup> (respirable fraction)  |
|                 |   | USA: OSHA: TWA              | 10 mg/m <sup>3</sup> /% SiO <sub>2</sub> + 2 (respirable Dust)  |
|                 |   | USA: OSHA: TWA              | 250 mppcf/%SiO <sub>2</sub> +5 fine dust  |
|                 |   | USA: OSHA: TWA              | 30 mg/m <sup>3</sup> /% SiO <sub>2</sub> + 2 inhalable fraction   |
|                 |   | USA: OSHA: TWA              |   |
|                 |   | USA: OSHA: TWA              |   |
|                 |   | USA: OSHA: TWA              |   |
|                 |   | USA: OSHA: TWA              |   |
|                 |   | USA: OSHA: TWA              |   |

#### Engineering controls

Provide good ventilation and/or an exhaust system in the work area.  
See also information in chapter 7, section storage.

#### Personal protection equipment (PPE)

- Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.
- Skin protection: Wear suitable protective clothing.  
Protective gloves according to OSHA Standard - 29 CFR: 1910.138.  
Glove material: Nitrile rubber.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



## Grinding Compounds

Material number 034

Revision date: 18/12/2015  
Version: 1

Language: en-CA,US

Date of print: 22/4/2016  
Page: 5 of 8

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:  
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.

### Environmental exposure controls

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

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

|  |                                   |
|--|-----------------------------------|
| Appearance:                              | Form: pasty<br>Color: light brown |
| Odor:                                    | characteristic                    |
| Odor threshold:                          | No data available                 |
| pH value:                                | No data available                 |
| Melting point/freezing point:            | No data available                 |
| Initial boiling point and boiling range: | No data available                 |
| Flash point/flash point range:           | 415.4 °F (213 °C) (EN ISO 2592)   |
| Evaporation rate:                        | No data available                 |
| Flammability:                            | No data available                 |
| Explosion limits:                        | No data available                 |
| Vapor pressure:                          | No data available                 |
| Vapor density:                           | No data available                 |
| Density:                                 | No data available                 |
| Water solubility:                        | insoluble                         |
| Partition coefficient: n-octanol/water:  | No data available                 |
| Auto-ignition temperature:               | No data available                 |
| Thermal decomposition:                   | No data available                 |
| Additional information:                  | No data available                 |

## 10. Stability and reactivity

|                                    |   |
|------------------------------------|---|
| Reactivity:                        | No data available   |
| Chemical stability:                | Product is stable under normal storage conditions.  |
| Possibility of hazardous reactions | Exothermic reactions with: strong acids, strong bases, Strong oxidizing agents.                         |
| Conditions to avoid:               | No data available   |
| Incompatible materials:            | Strong acids, strong bases, strong oxidizing agents.  |
| Hazardous decomposition products:  | In case of fire may be liberated: silicon dioxide, metallic oxides, carbon monoxide and carbon dioxide. |
| Thermal decomposition:             | No data available   |

# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



## Grinding Compounds

Material number 034

Revision date: 18/12/2015

Version: 1

Language: en-CA,US

Date of print: 22/4/2016

Page: 6 of 8

## 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 Quartz (SiO<sub>2</sub>) CAS No. 14808-60-7:  
IARC Rating: Group 1  
OSHA Carcinogen: not listed  
NTP Rating: not listed

### Symptoms

After contact with skin: slightly irritant  
After eye contact: slightly irritant

## 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. Non-contaminated packages may be recycled.

# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



## Grinding Compounds

Material number 034

Revision date: 18/12/2015

Version: 1

Language: en-CA,US

Date of print: 22/4/2016

Page: 7 of 8

### 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

Product: All ingredients of this product are listed on the TSCA inventory.

Silicon carbide:

NIOSH Recommendations:  
Occupational Health Guideline: 0555

Quartz (SiO<sub>2</sub>):

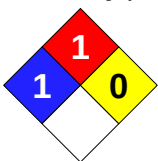
Carcinogen Status:  
IARC Rating: Group 1  
OSHA Carcinogen: not listed  
NTP Rating: listed  
NIOSH Recommendations:  
Occupational Health Guideline: 0553

#### National regulations - U.S. State Regulations

Quartz (SiO<sub>2</sub>): California Proposition 65: cancer  
Rhode Island HSL: listed

### 16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)  
Fire: 1 (Slight)  
Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)  
Flammability: 1 (Slight)  
Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

|                 |   |
|-----------------|---|
| HEALTH          | 1 |
| FLAMMABILITY    | 1 |
| PHYSICAL HAZARD | 0 |
|                 | X |

# SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



## Grinding Compounds

Material number 034

Revision date: 18/12/2015

Version: 1

Language: en-CA,US

Date of print: 22/4/2016

Page: 8 of 8

Date of first version: 18/12/2015

### Department issuing data sheet

Contact person: 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.