

SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



Grinding Compounds

Product number 034

Revision date: 14/12/2016
Version: 3

Language: en-CA,US

Date of print: 19/12/2016
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, USA	Postal Code, city: Mississauga, Ontario L4Z 1P1, Canada
WWW:	www.pferdusa.com	WWW: www.pferdusa.com
E-mail:	sales@pferdusa.com	E-mail: sales@pferdcanada.ca
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/Canada: 1-800-255-3924

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

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Grinding Compounds

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Revision date: 14/12/2016

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Date of print: 19/12/2016

Page: 2 of 8

3. Composition / Information on ingredients

Chemical characterisation: Mixture containing the substances listed below:

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 ₂)	< 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.

SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



Grinding Compounds

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Revision date: 14/12/2016
Version: 3

Language: en-CA,US

Date of print: 19/12/2016
Page: 3 of 8

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.
- 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

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Grinding Compounds

Product number 034

Revision date: 14/12/2016
Version: 3

Language: en-CA,US

Date of print: 19/12/2016
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 ³ (fibrous, including whiskers; inhalable fraction)
		Canada, Alberta: OEL 8 hour	10 mg/m ³ (non-fibrous; inhalable fraction)
		Canada, Alberta: OEL 8 hour	3 mg/m ³ (non-fibrous; respirable fraction)
		Canada, BC: OEL TWA	0.1 fibers/cm ³ (fibrous, including whiskers)
		Canada, BC: OEL TWA	10 mg/m ³ (non-fibrous; inhalable fraction)
		Canada, BC: OEL TWA	3 mg/m ³ (non-fibrous; respirable fraction)
		Canada, Ontario: OEL TWA	0.1 fibers/cm ³ (fibrous, including whiskers; inhalable fraction)
		Canada, Ontario: OEL TWA	10 mg/m ³ (non-fibrous; inhalable fraction)
		Canada, Ontario: OEL TWA	3 mg/m ³ (non-fibrous; respirable fraction)
		Canada, Québec: VEMP	10 mg/m ³ (non-fibrous; inhalable fraction)
		USA: ACGIH: TWA	0.1 fibers/cm ³ (fibrous, including whiskers)
		USA: ACGIH: TWA	10 mg/m ³ (inhalable fraction; particulate matter containing no asbestos and < 1% crystalline silica)
		USA: ACGIH: TWA	3 mg/m ³ (respirable fraction; particulate matter containing no asbestos and < 1% crystalline silica)
		USA: NIOSH: TWA	10 mg/m ³ inhalable fraction
		USA: NIOSH: TWA	5 mg/m ³ (respirable fraction)
USA: OSHA: TWA	15 mg/m ³ inhalable fraction		
USA: OSHA: TWA	5 mg/m ³ (respirable fraction)		
14808-60-7	Quartz (SiO ₂)	Canada, Alberta: OEL 8 hour	0.025 mg/m ³
		Canada, BC: OEL TWA	0.025 mg/m ³
		Canada, Ontario: OEL TWA	0.1 mg/m ³ (respirable fraction)
		Canada, Québec: VEMP	0.1 mg/m ³ (respirable fraction)
		USA: ACGIH: TWA	0.025 mg/m ³ (respirable fraction)
		USA: NIOSH: TWA	0.05 mg/m ³ (respirable fraction)
		USA: OSHA: TWA	10 mg/m ³ /% SiO ₂ + 2 (respirable Dust)
		USA: OSHA: TWA	250 mppcf/%SiO ₂ +5 fine dust
		USA: OSHA: TWA	30 mg/m ³ /% SiO ₂ + 2 inhalable fraction

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.

SAFETY DATA SHEET

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Grinding Compounds

Product number 034

Revision date: 14/12/2016

Version: 3

Language: en-CA,US

Date of print: 19/12/2016

Page: 5 of 8

- 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.
- 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 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.

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Grinding Compounds

Product number 034

Revision date: 14/12/2016

Version: 3

Language: en-CA,US

Date of print: 19/12/2016

Page: 6 of 8

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

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 (SiO₂) 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

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Grinding Compounds

Product number 034

Revision date: 14/12/2016
Version: 3

Language: en-CA,US

Date of print: 19/12/2016
Page: 7 of 8

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.

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

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Grinding Compounds

Product number 034

Revision date: 14/12/2016
Version: 3

Language: en-CA,US

Date of print: 19/12/2016
Page: 8 of 8

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 ₂):	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 ₂):	California Proposition 65: cancer Rhode Island HSL: listed
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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

Reason of change: Changes in section 1: emergency phone number
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.