

SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010



Files

Product number 025

Revision date: 14/12/2016
Version: 3

Language: en-CA,US

Date of print: 19/12/2016
Page: 1 of 9

1. Product and company identification

Product identifier

Trade name: Files
This safety data sheet pertains to the following products:
Machinist's Files
Special Files
Key Files
Tungsten Point Files (KOF)
Car Body Files
Car Body File Blades
Paint peeler
Taper saw files
Chain saw files
Depth gauge files
Millfile
Babitt file
Spare file for edge sharpener

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

General use: Tools for surface treatment of various metals.
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.	5570 McAdam Road
Postal Code, city:	Milwaukee, WI 53224, USA	Mississauga, Ontario L4Z 1P1, Canada
WWW:	www.pferdusa.com	www.pferdusa.com
E-mail:	sales@pferdusa.com	sales@pferdcanada.ca
Telephone:	262-509-5614	(905) 501-1555
Telefax:	262-255-2840	(905) 501-1554
Dept. responsible for information:	1-800-342-9015	1-866-245-1555

Emergency phone number

USA/Canada: 1-800-255-3924

2. Hazards identification

Emergency overview

Appearance: Form: solid
Color: gray
Odor: odorless
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.

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Hazards not otherwise classified

Mechanical processing can produce particles and dust.
Inhalation of dust may cause irritation of the respiratory system.
Dust contact with the eyes can lead to mechanical irritation.
see section 11: Toxicological information

3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 7439-89-6	Iron	< 98 %	not applicable
CAS 7440-44-0	Carbon	< 2 %	not applicable
CAS 7440-47-3	Chromium	< 1 %	not applicable
CAS 7439-96-5	Manganese	< 1 %	not applicable
CAS 7440-21-3	Silicon	< 1 %	not applicable
CAS 7723-14-0	Phosphorus	< 0.1 %	not applicable
CAS 7704-34-9	Sulfur	< 0.1 %	Skin Irritation 2.

Additional information: The specific identity and/or exact percentage has been withheld as a trade secret.

4. First aid measures

In case of inhalation: In the case of the formation of dust: Provide fresh air. If you feel unwell, seek medical advice.

Following skin contact: In the case of the formation of dust: Remove residues with soap and water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

After eye contact: In the case of the formation of dust: 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: In the case of the formation of dust:
Rinse mouth with water. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Inhalation of dust may cause irritation of the respiratory system.
Dust contact with the eyes can lead to mechanical irritation.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

No data available

Auto-ignition temperature: No data available

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Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

Specific hazards arising from the chemical

On heating or in case of fire toxic gases may form.
The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus. Wear suitable protective clothing.

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

6. Accidental release measures

Personal precautions: For mechanical processing: Avoid generation of dust. Do not inhale substance. 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.
In case of release, notify competent authorities.

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal.

7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.
Avoid generation of dust. Do not inhale substance.
Wear appropriate protective equipment.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.

Storage

Requirements for storerooms and containers:

Keep container tightly closed.

Hints on joint storage:

Do not store together with Corrosive substances.

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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
7439-89-6	Iron	USA: ACGIH: TWA	10 mg/m ³ smoke, dust
		USA: OSHA: TWA	10 mg/m ³ smoke
7440-44-0	Carbon	Canada, Alberta: OEL 8 hour	10 mg/m ³ Dust limit value inhalable fraction
		Canada, Alberta: OEL 8 hour	3 mg/m ³ Dust limit value respirable fraction
		Canada, BC: OEL TWA	10 mg/m ³ Dust limit value inhalable fraction
		Canada, Ontario: OEL TWA	10 mg/m ³ Dust limit value inhalable fraction
		Canada, Ontario: OEL TWA	3 mg/m ³ Dust limit value respirable fraction
		Canada, Québec: VEMP	10 mg/m ³ Dust limit value inhalable fraction
		USA: OSHA: TWA	15 mg/m ³ inhalable fraction
USA: OSHA: TWA	5 mg/m ³ (respirable fraction)		
7440-47-3	Chromium	Canada, Alberta: OEL 8 hour	0.5 mg/m ³
		Canada, BC: OEL TWA	0.5 mg/m ³
		Canada, Québec: VEMP	0.5 mg/m ³
		USA: ACGIH: TWA	0.5 mg/m ³
		USA: NIOSH: TWA	0.5 mg/m ³
		USA: OSHA: TWA	0.5 mg/m ³
7439-96-5	Manganese	Canada, Alberta: OEL 8 hour	0.2 mg/m ³
		Canada, BC: OEL TWA	0.2 mg/m ³
		Canada, Québec: VEMP	0.2 mg/m ³ Smoke, inhalable fraction
		OSHA: Ceiling	5 mg/m ³
		USA: ACGIH: TWA	0.02 mg/m ³ respirable fraction
		USA: ACGIH: TWA	0.1 mg/m ³ inhalable fraction
		USA: NIOSH: STEL	3 mg/m ³
		USA: NIOSH: TWA	1 mg/m ³
7440-21-3	Silicon	Canada, Ontario: OEL TWA	10 mg/m ³
		Canada, Québec: VEMP	10 mg/m ³ (inhalable fraction)
		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)
7723-14-0	Phosphorus	Canada, Alberta: OEL 8 hour	0.1 mg/m ³
		Canada, Québec: VEMP	0.1 mg/m ³
		USA: NIOSH: TWA	0.1 mg/m ³
7704-34-9	Sulfur	Canada, Alberta: OEL 8 hour	10 mg/m ³

Engineering controls

In the case of the formation of dust: 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 For mechanical processing: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

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- 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:
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

Appearance:	Form: solid Color: gray
Odor:	odorless
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:	No data available
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:	at 68 °F (20 °C): 7.8 g/cm ³ (steel)
Water solubility:	insoluble (steel)
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: Mechanical processing can produce particles and dust.
The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.
- Chemical stability: Product is stable under normal storage conditions.

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Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Conditions to avoid: No data available

Incompatible materials: Corrosive substances

Hazardous decomposition products:

On heating or in case of fire toxic gases may form.

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 Chromium:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed

Symptoms

Heated material can cause thermal burns to eyes and skin.
In case of inhalation: Inhalation of dust may cause irritation of the respiratory system.
In the case of the formation of dust: Toxic by inhalation.
Lung damage is possible in a chronic situation. Cough, shortage of breath.
After contact with skin: In the case of the formation of dust: May cause irritations.
After eye contact: Dust contact with the eyes can lead to mechanical irritation.

12. Ecological information

Ecotoxicity

Further details: No data available

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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

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National regulations - U.S. Federal Regulations

Product: This product is an article as defined by TSCA regulations, and is exempt from TSCA inventory listing requirements.

Carbon: NIOSH Recommendations:
Occupational Health Guideline: 0307

Chromium: Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
Clean Water Act:
Priority Pollutant: yes
Other Environmental Laws:
CERCLA: RQ 5000 lbs.
RCRA Hazardous Wastes: Code D007
RCRA Groundwater Monitoring: Methods 6010, 7190, 719 / PQL 70, 500, 10
SARA Title III Section 313, Toxic Release: Conc. 0.1% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0141

Manganese: Other Environmental Laws:
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0379*

Silicon: NIOSH Recommendations:
Occupational Health Guideline: 0554

Phosphorus: Clean Air Act:
Hazardous Air Pollutants: Code X
Clean Water Act:
Hazardous Substances: RQ 1 lbs.
Other Environmental Laws:
CERCLA: RQ 1 lbs.
Marine Pollutant: listed as severe pollutant.
SARA Title III Section 302, EHS: TPQ 100 lbs. / RQ 1 lbs.
SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard
NIOSH Recommendations:
Occupational Health Guideline: 0507

16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)
Fire: 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

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
	X

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

Date of first version: 3/2/2016

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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.