

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Files

Product number 025

Revision date: Oct/7/2019

Version: 5

Language: en-US,CA

Date of print: Oct/8/2019

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
Hoof plane

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.
Street/POB-No.: 9201 W. Heather Ave.
Postal Code, city: Milwaukee, WI 53224,
USA
WWW: www.pferdusa.com
E-mail: sales@pferdusa.com
Telephone: 1-800-342-9015
Telefax: 262-255-2840
Department responsible for information:
1-800-342-9015

PFERD CANADA INC.
Street/POB-No.: 5570 McAdam Road
Postal Code, city: Mississauga, Ontario L4Z 1P1,
Canada
WWW: www.pferdusa.com
E-mail: sales@pferdcanada.ca
Telephone: (905) 501-1555
Telefax: (905) 501-1554
Department responsible for information: 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: This material is classified as not hazardous.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Files

Product number 025

Revision date: Oct/7/2019
Version: 5

Language: en-US,CA

Date of print: Oct/8/2019
Page: 2 of 9

Regulatory status

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

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 classified
CAS 7440-44-0	Carbon	< 2 %	not classified
CAS 7440-47-3	Chromium	< 1 %	not classified
CAS 7439-96-5	Manganese	< 1 %	not classified
CAS 7440-21-3	Silicon	< 1 %	not classified
CAS 7723-14-0	Phosphorus	< 0.1 %	not classified
CAS 7704-34-9	Sulfur	< 0.1 %	Skin Irritation - Category 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/effects, 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.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Files

Product number 025

Revision date: Oct/7/2019

Version: 5

Language: en-US,CA

Date of print: Oct/8/2019

Page: 3 of 9

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

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.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Files

Product number 025

Revision date: Oct/7/2019

Version: 5

Language: en-US,CA

Date of print: Oct/8/2019

Page: 4 of 9

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: ACGIH: TWA	10 mg/m ³ (Dust limit value, inhalable fraction)
		USA: ACGIH: TWA	3 mg/m ³ (Dust limit value, respirable 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 (inhalable fraction)
		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	0.02 mg/m ³ (inhalable fraction)
		Canada, BC: OEL TWA	0.2 mg/m ³ (respirable fraction)
		Canada, Québec: VEMP	0.2 mg/m ³ (Smoke, inhalable fraction)
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.

Skin protection: For mechanical processing: Wear suitable protective clothing and shoes.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Files

Product number 025

Revision date: Oct/7/2019

Version: 5

Language: en-US,CA

Date of print: Oct/8/2019

Page: 5 of 9

For mechanical processing: Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Respiratory protection: In case of dust formation: Use appropriate respiratory protection. 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.

Possibility of hazardous reactions:

No hazardous reaction when handled and stored according to provisions.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Files

Product number 025

Revision date: Oct/7/2019
Version: 5

Language: en-US,CA

Date of print: Oct/8/2019
Page: 6 of 9

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: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

Skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Effects on or via lactation: Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

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.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Files

Product number 025

Revision date: Oct/7/2019

Version: 5

Language: en-US,CA

Date of print: Oct/8/2019

Page: 7 of 9

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.

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Files

Product number 025

Revision date: Oct/7/2019

Version: 5

Language: en-US,CA

Date of print: Oct/8/2019

Page: 8 of 9

15. Regulatory information

National regulations - U.S. Federal Regulations

Iron:	TSCA Inventory: listed TSCA HPVC: not listed
Carbon:	TSCA Inventory: listed TSCA HPVC: not listed NIOSH Recommendations: Occupational Health Guideline: 0307
Chromium:	TSCA Inventory: listed TSCA HPVC: not listed 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:	TSCA Inventory: listed TSCA HPVC: not listed Other Environmental Laws: SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard NIOSH Recommendations: Occupational Health Guideline: 0379*
Silicon:	TSCA Inventory: listed TSCA HPVC: not listed NIOSH Recommendations: Occupational Health Guideline: 0554
Phosphorus:	TSCA Inventory: listed TSCA HPVC: not listed 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
Sulfur:	TSCA Inventory: listed TSCA HPVC: not listed

SAFETY DATA SHEET

according to 29 CFR 1910.1200 and ANSI standard Z400.1-2010



Files

Product number 025

Revision date: Oct/7/2019

Version: 5

Language: en-US,CA

Date of print: Oct/8/2019

Page: 9 of 9

National regulations - Canada

No data available

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: General revision

Date of first version: Feb/3/2016

Department issuing data sheet

Contact person: see section 1: Department 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.