

SAFETY DATA SHEET

according to Safe Work Australia, Code of Practice July 2020



Polishing Paste Bars HGP

Product number 730

Version: 4.2
Replaces version: 4.1

Revision date: 24/5/2024
Date of print: 16/9/2025

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Language: en-AU

Section 1—Identification

Product identifier

Trade name: Polishing Paste Bars HGP

This safety data sheet pertains to the following products:

44250004 POLISH.COMP.BARS G-PP4 HGP

44250009 POLISH.COMP.BARS K-PP4 HGP

Recommended use of the chemical and restrictions on use

General use: Polishing agent.
Reserved for industrial and professional use.

Details of manufacturer or importer

Company name: PFERD Australia Pty. Ltd.
Street/POB-No.: Conifer Crescent 1-3
Postal Code, city: 3172 DINGLEY, VIC.
Australia
WWW: www.pferd.com
E-mail: sales@pferd.com.au
Telephone: (03) 95653200
Department responsible for information:
Telephone: (03) 95653200

Emergency phone number

Australia: 1-300-954-583
New Zealand: 0800-764-766

Section 2—Hazard(s) identification

Classification of the hazardous chemical

GHS classification

This mixture is classified as not hazardous.

Label elements, including precautionary statements

Hazard statements: not applicable

Precautionary statements:
not applicable

Other hazards which do not result in classification

Repeated exposure may cause skin dryness or cracking.
Mechanical processing produce particles and dust from the workpiece and abrasive.
Particles/dusts: Can cause skin, eye and respiratory tract irritation.
The cryptocrystalline silica content can form fine dusts which, when inhaled, can develop a fibrinogenic effect in the lungs. Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis).

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Section 3—Composition and information on ingredients

Mixtures

Identity of chemical ingredients:

Mixture containing the substances listed below:

Hazardous ingredients:

CAS No.	Designation	Concentration	Classification
CAS 1344-28-1	Aluminium oxide	50 - 60 %	not classified
CAS 67701-03-5	Fatty acids, C16-18	10 - 15 %	not classified
CAS 68603-16-7	Alcohols, C12-18, distn. residues	10 - 15 %	not classified
CAS 1020665-14-8	Siliceous Earth	10 - 15 %	not classified

Additional information: Neuburg Siliceous Earth is a naturally occurring mixture of amorphous and cryptocrystalline silica and lamellar kaolinite.
Siliceous Earth contains:
Cryptocrystalline silica (CAS No. 7631-86-9), silicic acid, amorphous (CAS No. 7631-86-9) and kaolinite (CAS No. 1318-74-7).
The maximum workplace exposure limits are, where necessary, listed in section 8.

Section 4—First aid measures

Description of necessary first aid measures

In case of inhalation: Provide fresh air. If you feel unwell, seek medical advice.
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. Remove contact lenses, if any. In case of eye irritation consult an ophthalmologist.
After swallowing: Rinse mouth and drink large quantities of water. Avoid vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

Symptoms caused by exposure

In case of inhalation:
Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. lung damages, asthma.
In case of ingestion: Large amounts: Nausea and Diarrhoea.
After contact with skin: Repeated exposure may cause skin dryness or cracking.
After eye contact: Eye contact may cause mechanical irritation (dust).

Medical attention and special treatment

Treat symptomatically.

Section 5—Firefighting measures

Suitable extinguishing equipment

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

Specific hazards arising from the chemical

In case of fire may be liberated: Metal oxide smoke, carbon monoxide and carbon dioxide.

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Special protective equipment and precautions for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information: Hazchem or Emergency Action Code -

Section 6—Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Provide adequate ventilation. Avoid contact with skin and eyes. Avoid generation of dust.

Environmental precautions

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

Methods and materials for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Section 7—Handling and storage

Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed.

Avoid generation of dust. Wear personal protection equipment. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store in a cool dry place.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

Section 8—Exposure controls and personal protection

Exposure control measures

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
1344-28-1	Aluminium oxide	Australia: OEL-TWA	10 mg/m ³ (inhalable fraction)
7631-86-9	silicic acid	Australia: OEL-TWA	2 mg/m ³ (respirable fraction)

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.

Individual protection measures, for example personal protective equipment (PPE)

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn according to AS/NZS 1715 and AS/NZS 1716 whenever the WEL levels have been exceeded.

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.

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Hand protection: Protective gloves according to AS/NZS 2161.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Risk of splashes: Tightly sealed eye protectors according to AS/NZS 1337.

Body protection: Wear suitable protective clothing and shoes.

General protection and hygiene measures:
Do not breathe dust. 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

Refer to 6.: Section "Environmental precautions".

Section 9—Physical and chemical properties

Information on basic physical and chemical properties

Appearance: Form: solid
Colour: pink

Odour: characteristic

Odour threshold: No data available

pH: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point/flash point range: approx. 150 °C

Evaporation rate: No data available

Flammability: No data available

Explosion limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Density: at 20 °C: approx. 1.55 g/cm³

Water solubility: dispersible

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Additional information

Viscosity: No data available

Additional information: No data available

Section 10—Stability and reactivity

Reactivity: Refer to subsection "Possibility of hazardous reactions".

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions:
No dangerous reactions are known.

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Conditions to avoid: Protect from frost.

Incompatible materials: No data available

Hazardous decomposition products:
No known hazardous decomposition products.

Thermal decomposition: No data available

Section 11—Toxicological information

Information on toxicological effects

Toxicological effects: 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. Frequently or prolonged contact with skin may cause dermal irritation.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Dust contact with the eyes can lead to mechanical irritation.
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: Lack of data.
Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Based on available data, the classification criteria are not met.

Other information: Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure.
Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis).

Symptoms

In case of inhalation:
Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. lung damages, asthma.
In case of ingestion: Large amounts: Nausea and Diarrhoea.
After contact with skin: Repeated exposure may cause skin dryness or cracking.
After eye contact: Eye contact may cause mechanical irritation (dust).

Section 12—Ecological information

Ecotoxicity

Further details: No data available

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Persistence and degradability

Further details: No data available

Bioaccumulative potential

Partition coefficient: n-octanol/water:
No data available

Mobility in soil

No data available

Other adverse effects

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

Section 13—Disposal considerations

Disposal methods

Product

Recommendation: Dispose of waste according to applicable legislation.

Package

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.

Section 14—Transport information

UN number

ADG: not applicable

Proper Shipping Name or Technical Name

ADG: Not restricted

Transport hazard class

Class or division, Subsidiary risk (ADG): not applicable

Packing group

Packing group (ADG): not applicable

Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant: no

Special precautions for user

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Additional information

Sea transport (IMDG)

Proper Shipping Name or Technical Name: Not restricted
Marine pollutant: no

Air transport (IATA)

Proper Shipping Name or Technical Name: Not restricted

No dangerous good in sense of these transport regulations.

Hazchem or Emergency Action Code

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Section 15—Regulatory information

National regulations - Australia

Aluminium oxide: Australian Inventory of Industrial Chemicals: listed
Fatty acids, C16-18: Australian Inventory of Industrial Chemicals: listed
Alcohols, C12-18, distn. residues: Australian Inventory of Industrial Chemicals: listed. Additional provisions apply.
silicic acid: Australian Inventory of Industrial Chemicals: listed

National regulations - New Zealand

Aluminium oxide: HSNO Act: NZIoC listed
Fatty acids, C16-18: HSNO Act: NZIoC listed
silicic acid: HSNO Act: NZIoC listed

Further regulations, limitations and legal requirements

No data available

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Section 16—Other information

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
AIC: Australian Inventory of Industrial Chemicals
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
EN: European Standard
EQ: Excepted quantities
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
IMO: International Maritime Organization
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OEL: Occupational Exposure Limit Value
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
TLV: Threshold Limit Value
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative
WEL: Workplace Exposure Limit

Reason of change: **General revision**
Date of first version: **10/8/2016**
Revision date: **24/5/2024**

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.