

SAFETY DATA SHEET

according to Safe Work Australia



POLISH. EMULSION SFP

Product number 723

Version: 4.0

Revision date: 29/11/2022
Date of print: 9/12/2022

Page: 1 of 6
Language: en-AU

1. Product identifier and identity for the chemical

Product identifier

Trade name: POLISH. EMULSION SFP

This safety data sheet pertains to the following products:

44220090 POLISH.EMULSION SFP 90
44220150 POLISH.EMULSION SFP 150
44220280 POLISH.EMULSION SFP 280
44220360 POLISH.EMULSION SFP 360
44220600 POLISH.EMULSION SFP 600
44220800 POLISH.EMULSION SFP 800

Recommended use of the chemical and restrictions on use

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

Suppliers name, address and phone number

Company name: PFERD Australia Pty. Ltd.
Street/POB-No.: Conifer Crescent 1-3
Postal Code, city: AU-3172 DINGLEY, VIC.
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

2. Hazard Identification

Classification of the hazardous chemical

GHS classification

This mixture is classified as not hazardous.

Label elements

Hazard statements: not applicable

Precautionary statements: not applicable

Other hazards which do not result in classification

Mechanical processing produce particles and dust from the workpiece and abrasive.
Particles/dusts: Can cause skin, eye and respiratory tract irritation.

3. Composition/information on ingredients

Mixtures

Identity of chemical ingredients:
Mixture of Silicon carbide and Lubricating agent.

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Hazardous ingredients:

CAS No.	Designation	Concentration	Classification
CAS -	Lubricant	55 - 75 %	not classified
CAS 409-21-2	Silicon carbide	25 - 45 %	not classified
CAS 12001-85-3	Naphthenic acids, zinc salts	< 1 %	Eye irritation - Category 2A. Sensitisation - skin - Category 1B. Aquatic toxicity - chronic - Category 2.
CAS 14808-60-7	Quartz (SiO ₂)	< 0.3 %	Carcinogenicity - Category 1A.

Additional information: The crystalline silica in the product is inextricably bound. Exposure is not expected in normal use of this product.
The product contains mineral oil with less than 3% (w/w) DMSO extract according to IP346.

4. First Aid Measures

Description of necessary 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. Take off contaminated clothing and wash it before reuse. 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 present and easy to do. Continue rinsing. 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.

Symptoms caused by exposure

May cause allergic reactions in already sensitized persons.
respiratory complaints, headache, discomfort, dizziness

Medical Attention and Special Treatment

Treat symptomatically.

5. Fire Fighting Measures

Suitable extinguishing media

alcohol resistant foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Water

Specific hazards arising from the chemical

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

Special protective equipment and precautions for fire fighters

Special protective equipment for firefighters:

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

Additional information:

Hazchem-Code: -

Do not inhale explosion and combustion gases.

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

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Avoid breathing dust. Provide adequate ventilation. Wear appropriate protective equipment.
Avoid contact with the substance. Keep unprotected people away. Take off contaminated clothing and wash it before reuse.

Environmental precautions

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

Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Clean using cleansing agents. Do not use solvents.

7. Handling and Storage

Precautions for safe handling

Advices on safe handling: Avoid generation of dust. Avoid breathing dust. In case of dust formation: Provide adequate ventilation, and local exhaust as needed.
Avoid contact with skin and eyes. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. When using do not eat, drink or smoke. Wash hands before breaks and after work. Have eye wash bottle or eye rinse ready at work place.

Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Store in a dry place. Protect from heat and direct sunlight.

Hints on joint storage:

Do not store together with strong acids, strong bases or strong oxidizing agents.
Keep away from food, drink and animal feedingstuffs.

8. Exposure controls/personal protection

Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
409-21-2	Silicon carbide	Australia: OEL-TWA	10 mg/m ³ (inhalable fraction)
14808-60-7	Quartz (SiO ₂)	Australia: OEL-TWA	0.05 mg/m ³ (respirable fraction)

Appropriate engineering controls

In the case of the formation of dust: Dust should be exhausted directly at the point of origin.

Personal protective equipment (PPE)

Occupational exposure controls

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.

Hand protection: Protective gloves according to AS/NZS 2161.
Glove material: Nitrile rubber. layer thickness: 0.12 mm
penetration time > 240 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

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

Body protection: Wear suitable protective clothing.

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General protection and hygiene measures:

For mechanical processing:
Avoid contact with skin and eyes. Do not breathe dust.
When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse.
Wash hands before breaks and after work.
Have eye wash bottle or eye rinse ready at work place.

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:	Physical state at 20 °C and 101.3 kPa: solid Form: pasty Colour: light brown
Odour:	characteristic
Odour threshold:	No data available
pH:	Not applicable
Melting point/freezing point:	> 190 °C (Lubricating agent)
Initial boiling point and boiling range:	> 250 °C (Lubricating agent)
Flash point/flash point range:	> 200 °C (Lubricating agent)
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 25 °C: 0.94 g/cm ³
Water solubility:	insoluble
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
Volatile organic compounds content (VOC):	3 % by weight (Lubricating agent)
Additional information:	No data available

10. Stability and Reactivity

Reactivity:	Refer to subsection "Possibility of hazardous reactions".
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Exothermic reactions with: strong acids, strong bases, strong oxidizing agents.
Conditions to avoid:	Protect from heat and direct sunlight. Protect from moisture contamination.
Incompatible materials:	Strong acids, strong bases, strong oxidizing agents.
Hazardous decomposition products:	No decomposition when used properly.
Thermal decomposition:	No data available

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11. Toxicological information

Information on toxicological effects

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): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

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

Contains Naphthenic acids, zinc salts. May produce an allergic reaction.

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.

Symptoms

Mechanical processing produce particles and dust from the workpiece and abrasive.

Inhalation of dust may cause irritation of the respiratory system.

After contact with skin: slightly irritant

After eye contact: slightly irritant

12. Ecological information

Ecotoxicity

Further details: No data available

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.

13. Disposal considerations

Waste treatment methods

Product

Recommendation: Dispose of waste according to applicable legislation.

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Package

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

14. Transport information

Land transport (ADG)

Product designation: 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.

Hazchem-Code:

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15. Regulatory information

National regulations - Australia

All: All ingredients are listed or exempt from listing.

Further regulations, limitations and legal requirements

No data available

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
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
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
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
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
TRGS: Technical Rules for Hazardous Substances
TSCA: Toxic Substance Control Act
vPvB: Very persistent and very bioaccumulative

Reason of change: Changes in section 2: Labelling
Changes in section 3: Composition / Information on ingredients

Date of first version: 24/8/2016

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.