SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: POLISH.COMP.BARS

This safety data sheet pertains to the following products:
44250002 POLISH.COMP.BARS G-PP2 VP ALU
44250007 POLISH.COMP.BARS K-PP2 VP ALU

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

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

1.3 Details of the supplier of the safety data sheet

Company name: August Rüggeberg GmbH & Co. KG
PFERD-Werkzeuge
Street/POB-No.: Hauptstraße 13
Postal Code, city: 51709 Marienheide
Germany
WWW: www.pferd.com
E-mail: info@pferd.com
Telephone: +49 (0)2264-9-0
Telefax: +49 (0)2264-9-400

Department responsible for information:
Telephone: +49 (0) 2264-9-0

1.4 Emergency telephone number

Germany: 0800-181-5313
Austria: 0800-802278
France: 0805-089352
Italy: 800-794-834
Bulgaria: 359-32571722
Poland: +48-223073296
Sweden: 020-889-215
Greece: 30-2111981153
Other EU-Countries: 1-813-248-0585

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements:
not applicable

Special labelling

EUH210 Safety data sheet available on request.

2.3 Other hazards

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.

Endocrine disrupting properties, Results of PBT and vPvB assessment:
No data available

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation:
The product does not contain dangerous substances above limits that need to be mentioned in this section according to applicable legislation.

Additional information: Contains: paraffin, emery
The maximum workplace exposure limits are, where necessary, listed in section 8.
The ingredients are embedded in the product.

SECTION 4: First aid measures

4.1 Description of 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. 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 and drink large quantities of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

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).

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:
extinguishing powder, water spray jet, carbon dioxide, alcohol resistant foam

Extinguishing media which must not be used for safety reasons:
Full water jet

5.2 Special hazards arising from the substance or mixture

Not combustible. In case of fire may be liberated: carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:
Wear self-contained breathing apparatus.

Additional information: Hazchem-Code: -

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes. Avoid generation of dust. Do not breathe dust. Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:
Store in a cool dry place. Recommended storage temperature: 20 °C.
Protect from frost.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.
Do not store together with: Strong oxidizing agents, strong reducing agents

Storage class: 13 = Non-combustible solids that cannot be assigned to any of the above storage classes

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
	POLISH.COMP.BARS	Austria: MAK Kurzzeit-Mittelwert	10 mg/m³ (Dust limit value, respirable fraction)
		Austria: MAK Kurzzeit-Mittelwert	20 mg/m³ (Dust limit value, inhalable fraction)
		Austria: MAK Langzeit-Mittelwert	10 mg/m³ (Dust limit value, inhalable fraction)
		Austria: MAK Langzeit-Mittelwert	5 mg/m³ (Dust limit value, respirable fraction)
		Germany: DFG Kurzzeit	2,4 mg/m³ (Dust limit value, respirable fraction)
		Germany: DFG Langzeit	0,3 mg/m³ (Dust limit value, respirable fraction)
		Germany: DFG Langzeit	4 mg/m³ (Dust limit value, inhalable fraction)
		Germany: TRGS 900 Kurzzeit	2,5 mg/m³ (Dust limit value, respirable fraction)
		Germany: TRGS 900 Kurzzeit	20 mg/m³ (Dust limit value, inhalable fraction)
		Germany: TRGS 900 Langzeit	1,25 mg/m³ (Dust limit value, respirable fraction)
		Germany: TRGS 900 Langzeit	10 mg/m³ (Dust limit value, inhalable fraction)
		Great Britain: WEL-TWA	10 mg/m³ (Dust limit value, inhalable fraction)
		Great Britain: WEL-TWA	4 mg/m³ (Dust limit value, respirable fraction)
8002-74-2	Paraffin	Great Britain: WEL-STEL	6 mg/m³ (Smoke)
		Great Britain: WEL-TWA	2 mg/m³ (Smoke)

8.2 Exposure controls

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

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded.
In case of inadequate ventilation wear 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.
Particulates filter P1-3.

Hand protection: Protective gloves according to DIN EN ISO 374-1.
Glove material: Nitrile rubber (0,35 mm), butyl caoutchouc (butyl rubber) (0,5 mm), Polychloroprene (0,5 mm), fluoro rubber (0,4 mm), polyvinyl chloride (0,5 mm)
penetration time >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Risk of splashes: Tightly sealed goggles according to DIN EN ISO 16321-1.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:
Do not breathe dust. Avoid contact with skin and eyes.
When using do not eat, drink or smoke. Take off contaminated clothing and wash it before reuse.
Wash hands before breaks and after work.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	solid
Colour:	dark grey
Odour:	Characteristic
Odour threshold:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	Not applicable
Decomposition temperature:	No data available
pH:	Not applicable
Viscosity, kinematic:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	No data available
Density:	at 20 °C: 1,5 - 1,7 g/cm³
Vapour density:	No data available
Particle characteristics:	No data available

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	No data available
Solid content:	74 - 76 %
Evaporation rate:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

Protect from frost.
Protect against heat /sun rays. Protect from moisture contamination.

10.5 Incompatible materials

Strong oxidizing agents, strong reducing agents

10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

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

11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information: Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure.

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

12.1 Toxicity

Water Hazard Class: 1 = slightly hazardous to water

12.2 Persistence and degradability

Further details: No data available

12.3 Bioaccumulative potential

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

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Recommendation: Used product: Waste key number (EU): 12 01 20:
spent grinding bodies and grinding materials containing hazardous substances
Unused product: Incinerate according to applicable local, state and federal regulations.
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

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR:
Not restricted

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.5 Environmental hazards

Dangerous for the environment:
Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.
Marine pollutant - IMDG: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations - Germany

Storage class: 13 = Non-combustible solids that cannot be assigned to any of the above storage classes
Water Hazard Class: 1 = slightly hazardous to water
Further regulations, limitations and legal requirements:
No data available

National regulations - Austria

Storage class: 13 = Non-combustible solids that cannot be assigned to any of the above storage classes
Further regulations, limitations and legal requirements:
No data available

National regulations - Great Britain

Hazchem-Code: -
No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content

Hazard statements: EUH210 Safety data sheet available on request.
Precautionary statements:
not applicable
Further regulations, limitations and legal requirements:
No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Reason of change: General revision
Date of first version: 17.3.2014
Department issuing data sheet:
see section 1: Department responsible for 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
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
EN: European Standard
EQ: Excepted quantities
EU: European Union
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
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
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

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.