SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

POLISH.EMULSION SFP

Product number 009

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

1.1 Product identifier

Trade name: POLISH.EMULSION SFP

This safety data sheet pertains to the following products:
Article number: 44220090, 44220150, 44220280, 44220360, 44220600, 44220800

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

General use: abrasive / polishing agent
For industrial purposes only

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
Postcode, city: 51709 Marienheide
Germany
WWW: www.pferd.com
Email: info@pferd.com
Telephone: +49 (0)2264-9-0
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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

EUH208 Contains Naphthenic acids, zinc salts. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

2.3 Other hazards

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: Mixture of Silicon carbide and Lubricating agent.

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. 234-409-2 CAS 12001-85-3	Naphthenic acids, zinc salts Eye Irrit. 2; H319. Skin Sens. 1B; H317. Aquatic Chronic 2; H411.	< 1 % [mass]

Full text of H- and EUH-statements: see section 16.

Additional information: Contains: Silicon carbide. The maximum workplace exposure limits are, where necessary, listed in section 8.
The product contains mineral oil with less than 3% (w/w) DMSO extract according to IP346.

SECTION 4: First aid measures

4.1 Description of first aid measures

In case of inhalation: Dusts/aerosols: Provide fresh air. If you feel unwell, seek medical advice.

Following skin contact: Dusts/aerosols: 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: Dusts/aerosols: Rinse mouth with water. Give water to drink in small sips. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

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

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, foam, Sand, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Water

5.2 Special hazards arising from the substance or mixture

Fires in the immediate vicinity may cause the development of dangerous vapours.
In case of fire may be liberated: silicon dioxide, metallic oxides, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

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

Additional information: Hazchem-Code: -

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid generation of dust. Avoid breathing dust. Avoid contact with skin and eyes. Wear appropriate protective equipment. Provide adequate ventilation. 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: Avoid generation of dust. Avoid breathing dust. Wear appropriate protective equipment. In case of dust formation: Provide adequate ventilation, and local exhaust as needed. 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. Have eye wash bottle or eye rinse ready at work place.

7.2 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.

Storage class: 11 = 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

All exposure relevant information (human health and environment) is summarised in annexes to this safety data sheet.

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
	POLISH.EMULSION SFP	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)
		Austria: MAK Langzeit-Mittelwert	5 mg/m³ (Oil mist, mineral inhalable 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)

CAS No.	Designation	Type	Limit value
409-21-2	Silicon carbide	Austria: MAK Kurzzeit-Mittelwert	10 mg/m³ (respirable fraction, max. 2x60 min./shift)
		Austria: MAK Langzeit-Mittelwert	5 mg/m³ (respirable fraction)
		Great Britain: WEL-TWA	10 mg/m³
		Great Britain: WEL-TWA	4 mg/m³ (respirable fraction)

8.2 Exposure controls

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

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.
Recommendation: Half mask with particle filter P2/P3 according to EN 143.

Hand protection:

Protective gloves according to DIN EN ISO 374-1.
Glove material: Nitrile rubber layer thickness: 0,12 mm
penetration time > 240 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

If necessary: Wear gloves in accordance with EN 388 as a protection against mechanical risks.

Eye protection:

For mechanical processing: Tightly sealed goggles according to DIN EN ISO 16321-1.

Body protection:

For mechanical processing: Wear suitable protective clothing and shoes.

General protection and hygiene measures:

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

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 Form: pasty
Colour:	Varying
Odour:	Characteristic

Melting point/freezing point:	> 190 °C (Lubricating agent)
Boiling point or initial boiling point and boiling range:	> 250 °C (Lubricating agent)
Flammability:	No data available
Lower and upper explosion limit:	Not applicable
Flash point:	> 200 °C (Lubricating agent)
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data available
pH:	Not applicable
Kinematic viscosity:	Not applicable
Solubility:	No data available
Partition coefficient n-octanol/water (log value):	No data available
Vapour pressure:	No data available
Density:	at 25 °C: 0,94 g/cm³
Relative vapour density:	Not applicable
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

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

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Protect from heat and direct sunlight. Protect from moisture contamination.

10.5 Incompatible materials

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.6 Hazardous decomposition products

No decomposition when used properly.

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: 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.

11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Symptoms

Mechanical processing produce particles and dust from the workpiece and abrasive. Inhalation of dust may cause irritation of the respiratory system.

SECTION 12: Ecological information

12.1 Toxicity

Water Hazard Class: 1 = slightly hazardous to water (self-classified)

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

Waste key number: 12 01 21 = Spent grinding bodies and grinding materials other than those mentioned in 12 01 20.

Recommendation: Dispose of waste according to applicable legislation.

Package

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

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: 11 = Combustible solids that cannot be assigned to any of the above storage classes

Water Hazard Class: 1 = slightly hazardous to water (self-classified)

Technical guidance air: 5.2.5

Further regulations, limitations and legal requirements:

No data available

National regulations - Austria

Storage class: 11 = 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

Volatile organic compounds (VOC):

3 % by weight (Lubricating agent)

Labelling of packaging with <= 125mL content

Hazard statements:

EUH208	Contains Naphthenic acids, zinc salts. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Precautionary statements: not applicable

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 75

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Wording of the H-phrases under paragraph 2 and 3:

H317 = May cause an allergic skin reaction.
H319 = Causes serious eye irritation.
H411 = Toxic to aquatic life with long lasting effects.
EUH208 = Contains Naphthenic acids, zinc salts. May produce an allergic reaction.
EUH210 = Safety data sheet available on request.

Reason of change: Changes in section 8: Occupational exposure limit values

Date of first version: 5.11.2012

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
Aquatic Chronic: Hazardous to the aquatic environment - chronic
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
Eye Irrit.: Eye irritation
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
Skin Sens.: Skin sensitisation
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.