

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Polishing of ceramics and alloys with high abrasiveness as well as very high gloss effect.

**1.3. Details of the supplier of the safety data sheet**

Company name:	FINO GmbH	
Street:	Mangelsfeld 18	
Place:	D-97708 Bad Bocklet	
Telephone:	+49-97 08-90 94 20	Telefax: +49-97 08-90 94 21
e-mail:	info@fino.com	Internet: www.fino.com
Contact person:	Joachim Mahlmeister	Telephone: +49-97 08-90 94 20
e-mail:	info@fino.com	
Responsible Department:	This number can only be reached during our office hours, Monday to Friday from 8 a.m. to 5 p.m.	

**1.4. Emergency telephone number:**+49-89-1 92 40  
POISON CENTER München  
24 hour(s) 7 day(s)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**2.2. Label elements****Additional advice on labelling**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**2.3. Other hazards**

No risks worthy of mention.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Polyethylene-glycol mixture with industrial diamonds as abrasives.

**Hazardous components**

none (according to UK REACH Regulation)

**Further Information**

To the best of our current knowledge, this product does not contain any hazardous ingredients in amounts that are listed in Section 3 in accordance with applicable EU or national regulations Need to become.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

No special measures are necessary.

**After inhalation**

No specific information.

**After contact with skin**

To the best of our current knowledge, this product does not contain any hazardous ingredients in amounts that are listed in Section 3 in accordance with applicable EU or national regulations Need to become.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Do NOT induce vomiting.

Call a physician immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

Dizziness, Vomiting,

**4.3. Indication of any immediate medical attention and special treatment needed**

No specific information.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Sand Carbon dioxide (CO<sub>2</sub>) Water

**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>), Pyrolysis products, toxic

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Take up mechanically.

Dilute with plenty of water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove persons to safety.

Provide fresh air.

Special danger of slipping by leaking/spilling product.

**For non-emergency personnel**

Emergency procedures

Remove victim out of the danger area. Remove affected person from the danger area and lay down.

Remove persons to safety. The danger areas must be delimited and identified using relevant warning and safety signs.

**For emergency responders**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter sewers/surface or ground water.

**6.3. Methods and material for containment and cleaning up****For containment**

Cover drains.

Use only antistatically equipped (spark-free) tools. Personal protection equipment

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Contain

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leaks or spills within cabinets with removable trays.

**For cleaning up**

Collect in closed and suitable containers for disposal.

Ventilate affected area. Wash contaminated clothing before reuse.

**Other information**

Take up mechanically.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Treat the recovered material as prescribed in the section on waste disposal. Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

No special measures are necessary.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Advice on general occupational hygiene**

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and after work.

Do not eat, drink or smoke when using this product.

**Further information on handling**

No special handling advices are necessary.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store under normal and dry conditions.

Store at room temperature.

**Hints on joint storage**

Do not store together with: Oxidising agent, strong

**Further information on storage conditions**

Store in cool, dry conditions in well sealed receptacles.

Protect from moisture.

Protect against frost.

Betriebssicherheitsverordnung (BetrSichV) ---

**7.3. Specific end use(s)**

Abrasive

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Additional advice on limit values**

To date, no national critical limit values exist.

Does not contain substances above concentration limits fixing an occupational exposure limit.

**8.2. Exposure controls**

**Appropriate engineering controls**

Does not contain substances above concentration limits fixing an occupational exposure limit.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Protective goggles with side protection recommendable.

**Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.  
 The precise time of rupture can be found out from the manufacturer of the protective gloves and must be observed.  
 Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

**Skin protection**

lab coat

**Respiratory protection**

Respiratory protection not required.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state: solid  
 Colour: white - grey  
 Odour: neutral

**Test method**

**Changes in the physical state**

Melting point/freezing point: 45 °C  
 Boiling point or initial boiling point and boiling range: not determined  
 Softening point: not determined

Flash point: > 200 °C DIN 51376

**Flammability**

Solid/liquid: > 220 °C

**Explosive properties**

Product is not explosive.

Lower explosion limits: ---

Upper explosion limits: ---

Auto-ignition temperature: > 320 °C DIN 51794

**Self-ignition temperature**

Solid: ---

Decomposition temperature: 360 °C

pH-Value: 4-7 DIN 19268

Viscosity / dynamic: ---

Water solubility: ---

Partition coefficient n-octanol/water: not applicable

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Vapour pressure:	< 0,1 hPa
Density:	1,2 g/cm <sup>3</sup> DIN 51757
Relative vapour density:	not determined

**9.2. Other information****Information with regard to physical hazard classes**

Sustaining combustion: No data available

Oxidizing properties

The product itself does not burn.

**Other safety characteristics**

Solid content: not determined

Evaporation rate: not determined

**Further Information****SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

No decomposition if used according to specifications.

**10.5. Incompatible materials**

Not known.

**10.6. Hazardous decomposition products**In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)**Further information**

To the best of our current knowledge, this product does not contain any hazardous ingredients in amounts that are listed in Section 3 in accordance with applicable EU or national regulations Need to become.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

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

No toxicology known.

**Irritation and corrosivity**

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

No irritant effect.

**Sensitising effects**

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

No sensitizing effect known.

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

No additional indications for carcinogenic or mutagenic impacts and effects toxic for reproduction.

**STOT-single exposure**

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

**STOT-repeated exposure**

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

Based on our experiences and information the product does not cause harmful health effects if handled according to specifications and used according to indications.

**Aspiration hazard**

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

**Specific effects in experiment on an animal**

For this substance the summation method is not applicable when classification of respective mixtures is calculated.

**Additional information on tests**

To the best of our current knowledge, this product does not contain any hazardous ingredients in amounts that are listed in Section 3 in accordance with applicable EU or national regulations Need to become.

**Practical experience**

No special references.

**11.2. Information on other hazards****Other information**

No special precautionary measures.

**SECTION 12: Ecological information****12.1. Toxicity**

Environmental and ecotoxicological analyses of the product are not available.

**12.2. Persistence and degradability**

Product is biodegradable.

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No effects known.

**Further information**

To the best of our current knowledge, this product does not contain any hazardous ingredients in amounts that are listed in Section 3 in accordance with applicable EU or national regulations Need to become.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Non-contaminated packaging can be supplied to a recycling system.

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number or ID number:** UN 0000

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.

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**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** UN 0000  
**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 0000  
**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:** UN 0000  
**14.2. UN proper shipping name:** Not a hazardous material with respect to transportation regulations.  
**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.  
**14.4. Packing group:** No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No special measures are necessary.

**14.7. Maritime transport in bulk according to IMO instruments**

No special precautionary measures.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): none  
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)  
Additional information: 0

**Additional information**

According to EC directives or the corresponding national regulations the product does not have to be labelled.  
The usual precautionary measures are to be adhered to when handling chemicals.

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**Additional information**

Betriebssicherheitsverordnung (BetrSichV) ---

"ZH 1/134 „Information on Breathing Protection""

"ZH 1/105 „Information on Protective Clothing""

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

\* Data changed compared with the previous version.

**Abbreviations and acronyms**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer

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(Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 "IATA-DGR: Dangerous Goods Regulations by the ""International Air Transport Association"" (IATA)"  
 ICAO: International Civil Aviation Organization  
 "ICAO-TI: Technical Instructions by the ""International Civil Aviation Organization"" (ICAO)"  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)

**Further 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. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

**Identified uses**

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Abrasive	-	-	0	0	6a	4	-	1344-28-1

LCS: Life cycle stages

SU: Sectors of use

PC: Product categories

PROC: Process categories

ERC: Environmental release categories

AC: Article categories

TF: Technical functions

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*