

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

FINOPOLIT Polishing Agent

REF 68060

CAS No: 12125-02-9
Index No: 017-014-00-8
EC No: 235-186-4

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

Universal liquid polishing agent for resins and metal.

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
e-mail: info@fino.com
Contact person: Joachim Mahlmeister
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.

Telefax: +49-97 08-90 94 21

Internet: www.fino.com

Telephone: +49-97 08-90 94 20

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

Calcium carbonate, palmitic acid, stearic acid, ammonium chloride. Water

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
12125-02-9	ammonium chloride			4 %
	235-186-4	017-014-00-8		
	Acute Tox. 4, Eye Irrit. 2; H302 H319			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
12125-02-9	235-186-4	ammonium chloride	4 %
		oral: LD50 = 1440 mg/kg	

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

No special measures are necessary.

After inhalation

No information.

After contact with skin

No information.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After ingestion

Call a physician immediately.

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**

Formation of ignitable mixtures possible.

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Never use water. Full water jet

5.2. Special hazards arising from the substance or mixture

Not known.

5.3. Advice for firefighters

No special measures are necessary.

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

Avoid contact with eyes.

No dangerous materials are released.

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

No special environmental measures are necessary.

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

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

Take up mechanically.

For cleaning up

Collect in closed and suitable containers for disposal.

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.

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

No special requirements.

Hints on joint storage

Not required.

Further information on storage conditions

Store in cool, dry conditions in well sealed receptacles.

Protect from moisture.

Betriebssicherheitsverordnung (BetrSichV) ---

7.3. Specific end use(s)

Auxiliary for manufacture of dental prothesis

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
12125-02-9	Ammonium chloride, fume	-	10		TWA (8 h)	WEL
		-	20		STEL (15 min)	WEL

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls
Appropriate engineering controls

No special measures are necessary.

Individual protection measures, such as personal protective equipment
Eye/face protection

Eye protection: not required.

Hand protection

Hand protection is not required.

Skin protection

Body protection: not required.

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:	Liquid
Colour:	gel formation
Odour:	specific

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined
Softening point:	not applicable
Flash point:	not flammable

Flammability

Solid/liquid:	not applicable
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Explosive properties

not explosive.

Lower explosion limits:	---
Upper explosion limits:	---
Auto-ignition temperature:	not applicable

Self-ignition temperature

Solid:	not applicable
Decomposition temperature:	not determined
pH-Value (at 20 °C):	8-9
Viscosity / dynamic:	---

Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
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Partition coefficient n-octanol/water:	not applicable
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Vapour pressure:	void
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Density:	1,2 g/cm³
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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

No dangerous decomposition products 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 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.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
12125-02-9	ammonium chloride				
	oral	LD50 mg/kg	1440	Rat	

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.

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

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

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
12125-02-9	ammonium chloride					
	Acute fish toxicity	LC50	209 mg/l	96 h	Cyprinus carpio	IUCLID
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna	

12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
12125-02-9	ammonium chloride	-4,37

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

Send to a hazardous waste incinerator facility under observation of official regulations.

Contaminated packaging

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

SECTION 14: Transport information

Land transport (ADR/RID)

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

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO-TI/IATA-DGR)

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

Restrictions on use (REACH, annex XVII):

Entry 75

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): - - non-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 (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)

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

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

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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