

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Erkoskin

CAS number: -
EC number (EINECS/ELINCS): -
EC index number: -
REACH registration number: -

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

Identified uses of the substance or mixture: Schutzfilm, Protective film, Film de protection
Not recommended uses of the substance or mixture: Other

1.3 Details of the supplier of the safety data sheet

Manufacturer

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0
Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Supplier

ERKODENT Erich Kopp GmbH
Siemensstrasse 3

Telephone: 07445 8501 0
Fax: 07445 2092

D 72285 Pfalzgrafenweiler

Information contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 21

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E-mail (competent person): w.heuchert@erkodent.com

Website: www.erkodent.com

National contact

ERKODENT Erich Kopp GmbH

Information Telephone: 07445 8501 0

Information fax:

E-mail (competent person): info@erkodent.com

Website:

1.4 Emergency telephone number

ERKODENT Erich Kopp GmbH
Only available during office hours.

Telephone: 07445 8501 0

1.5 Dept. responsible for information

Entwicklung +49 (0) 7445 8501-21

2. Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008: -

Directive 67/548/EEC: -

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:

Signal word:	-
H phrases:	-
P phrases:	261 Avoid breathing dust/fume/gas/mist/vapours/spray.
	272 Contaminated work clothing should not be allowed out of the workplace.
	273 Avoid release to the environment.
	280 Wear protective gloves/protective clothing/eye protection/face protection.
	302+352 IF ON SKIN: Wash with plenty of soap and water.
	304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	333+313 If skin irritation or rash occurs: Get medical advice/attention.
	337+313 If eye irritation persists: Get medical advice/attention.
	363 Wash contaminated clothing before reuse.
	391 Collect spillage.
	501 Dispose of contents/container to .?.

2.2.2 Labelling according to Directive 67/548/EEC

Hazard symbols:

R phrases:	-
S phrases:	-

2.3 Other hazards

This substance is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]. This substance is classified as not hazardous according to 67/548/EEC. Ammonia. Processing vapours can irritate the respiratory tracts, skin and eyes.

3. Composition/information on ingredients

3.1 Chemical characterization of the substance or mixture

Chemical characterization (mixture)

3.2 Composition of the substance or mixture

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
Ammonia water		1336-21-6					
Latex-Natural rubber		9006-04-6					

Ingredients with EC exposure limits

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):	Classification: 67/548/EEC:
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(The wording of the listed risk phrases is given in Chapter 16)

3.3 Additional information

Dispersion

4. First aid measures

4.1 Description of first aid measures

- General information:** In all cases of doubt, or when symptoms persist, seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. In case of unconsciousness place in unconscious position and seek medical advice.
- Following inhalation:** Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Medical advice absolutely required! Seek medical attention if problems persist.
- After skin contact:** After contact with skin, wash immediately with plenty of water and soap. Seek medical attention if problems persist. In case of skin irritation, consult a physician.
- Following eye contact:** In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.
- After ingestion:** Medical examination necessary even merely on suspicion of intoxication.
- Self-protection:** First aid assistant: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms:** In all cases of doubt, or when symptoms persist, seek medical advice.
- Nature of Hazard:** Processing vapours can irritate the respiratory tracts, skin and eyes.

4.3 Indication of any immediate medical attention and special treatment needed

- Emergency aid:** In case of skin irritation, seek medical treatment.
- Treatment:** Treat symptomatically.

5. Fire fighting measures

5.1 General information

Extinguishing materials should be selected according to the surrounding area.

5.2 Extinguishing media

- Suitable:** Carbon dioxide (CO₂). Foam. Dry extinguishing powder. Water fog. Water spray.
- Unsuitable:** No information available.

5.3 Special hazards arising from the substance or mixture

Non-combustible liquids. Water \geq 35 %

5.4 Advice for fire fighters

Special protective equipment for fire-fighters

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

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear personal protection equipment. Remove all sources of ignition. Avoid contact with skin, eyes and clothes. Wear respiratory protection when in the presence of vapour, dust, and aerosols.

6.2 Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter into soil/subsoil.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Clean with detergents. Avoid solvent cleaners.

6.4 References to other sections

This information is not available.

7. Handling and storage

7.1 Precautions for safe handling

Information for safe handling

In case of open handling equipment with built-in suction must be used. Avoid contact with skin, eyes and clothes. Inhalation of vapours or spray/mists Avoid contact with skin, eyes and clothes.

Technical measures

Provide for sufficient ventilation and punctiform suction at critical points. When using do not eat, drink or smoke. Remove contaminated, saturated clothing.

Precautions against fire and explosion

Non-combustible solids. No special fire protection measures are necessary.

Additional information

none

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Handle and open container with care. Store only in original container. Keep/Store only in original container. Keep container tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from sunlight.

Packaging materials

Keep/Store only in original container.

Requirements for storerooms and containers

Keep in a cool, well-ventilated place. Put lids on containers immediately after use.

Information about storing together in storage facility

Conditions to avoid: UV-radiation/sunlight.

Further information concerning storage conditions

Always close containers tightly after the removal of product. at room temperature

Storage class:

7.3 Specific end use(s)

Observe instructions for use.

8. Exposure controls / personal protection**8.1 Control parameters****8.1.1 Limits for occupational exposure****Exposure limit values**

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:
Ammonia water	1336-21-6	RL 2000/39/EG	8h: 14 mg/m ³ (20 ppm) // Short time: 36 mg/m ³ (50 ppm)		Ammoniak CAS 7664-41-7
Latex-Natural rubber	9006-04-6				

EC exposure limit values

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

8.1.2 DNEL and PNEC values**DNEL-values**

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer

PNEC-values

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer

8.1.3 Control-Banding**Control-Banding**

none

8.1.4 Additional information

none

8.2 Exposure controls**Occupational exposure controls**

Ammoniak CAS 7664-41-7

MAK: 20 ml / 14 mg/m³

Chemical handling

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Personal protection equipment

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required. Wear respiratory protection when in the presence of vapour, dust, and aerosols.

Hand protection

Tested protective gloves must be worn Tested protective gloves must be worn Skin contact

Eye protection

Tightly sealed safety glasses.

Skin protection

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes).

Environmental exposure controls

refer to chapter 7. No further action is necessary. Do not empty into drains or the aquatic environment.

Consumer exposure controls

refer to chapter 7. No further action is necessary.

8.3 Exposure scenario

none

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance**

State of matter:	liquid
Colour:	violet
Odour:	Ammonia
Odour threshold:	No data available

Safety relevant basis data

	Parameter	Value	Unit	Remark
Density:		0,947	g/cm ³	
Package density:				not applicable
pH:		10 - 12		
Melting point / range:				not applicable
Boiling temperature / range:		100	°C	
Flash point:				not applicable
Flammability:				not applicable
Lower flammability limit:				not applicable
Upper flammability limit:				not applicable
Explosion hazard:				not explosive.
Lower explosion limit:				not applicable
Upper explosion limit:				not applicable
Ignition temperature:				none Risk of selfignition.
Decomposition temperature:				not applicable
Oxidizing characteristics:				not applicable
Vapour pressure:				not determined
Relative vapour density:				not determined
Speed of vaporization/evaporation rate:				not determined
Solubility in water:				complete miscible
Fat solubility:				not determined
Solubility in	:			not determined

log P O/W (n-octanol / water):

not determined

Viscosity:

not determined

Solvent separation test:

not applicable

Solvent content:

not applicable

9.2 Other information

No information available.

10. Stability and reactivity

10.1 Reactivity

Polymerization.

10.2 Chemical stability

at room temperature

10.3 Possibility of hazardous reactions

none Hazardous decomposition products

10.4 Conditions to avoid

heat. UV-radiation/sunlight. frost.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Hazardous decomposition products: none

10.7 Additional information

none

11. Toxicological information

11.1 Information on toxicological effects

Toxicological data are not available.

Acute toxicity

Substance:	CAS-No.:	Toxicological information

Specific symptoms in laboratory animals

Toxicological data are not available.

11.2 Irritation and etching

Irritant effect on the skin

Irritating to skin.

Irritant effect on the eye

Irritating to eyes.

Irritant effect on the respiratory tract

Irritating to respiratory system.

Etching

not corrosive

11.3 Sensitization

May cause sensitization by skin contact.

11.4 Repeated dose toxicity

Toxicological data are not available.

11.5 CMR effects

Carcinogenicity

Toxicological data are not available.

Mutagenicity

Toxicological data are not available.

Reproductive toxicity

Toxicological data are not available.

11.6 General remarks

No information available.

Practical experience

No information available.

Other observations

No information available.

Additional information

Data arise from reference works and literature.

12. Ecological information

12.1 Toxicity

There are no data available on the mixture itself.

Eco toxicity

Substance:	CAS-No.:	Ecotoxicity

12.2 Persistence and degradability

There are no data available on the mixture itself.

12.3 Bio accumulative potential

There are no data available on the mixture itself.

12.4 Mobility in soil

There are no data available on the mixture itself.

12.5 Results of PBT and vPvB assessment

not applicable

12.6 Other adverse effects

There are no data available on the mixture itself.

12.7 Further ecological information

There are no data available on the mixture itself.

12.8 Further details

Do not empty into drains or the aquatic environment.

13. Disposal considerations

13.1 Waste treatment methods

Appropriate disposal/Product

XXXX Waste disposal according to official state regulations. Carry out under observation of official regulations covering a chemical/physical treatment plant. Carry out a burning of hazardous waste according to official regulations. Consult the local waste disposal expert about waste disposal.

Appropriate disposal/ packaging

Carry out a burning of hazardous waste according to official regulations. Handle contaminated packages in the same way as the substance itself.

Control report for waste code/ waste marking according to EAKV

Dispose of waste according to "Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG)".

Waste key product:

Waste key packaging:

Remark

Waste disposal according to official state regulations.

14. Transport information

14.1 Overland transport (ADR/RID)

Proper Shipping name

UN No.:

Label:

Remark:

Packing Group:

Classification code:

Not a hazardous material with respect to these transportation regulations.

14.2 Transport by sea (IMDG)

Proper Shipping name

UN-No.:

Label:

EmS-No:

Special Provisions:

Remark:

Packing Group:

MFAG:

Marine pollutant:

Not a hazardous material with respect to these transportation regulations.

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

Proper Shipping name

UN/ID-No.:

Label:

Remark:

Packing Group:

Not a hazardous material with respect to these transportation regulations.

14.4 Mail

Not a hazardous material with respect to these transportation regulations.

15. Regulatory information

15.1 Labelling

Hazardous component(s) for labelling

Special labelling of particular preparations

No label required according to 1999/45/EC, annex V B, No. 9.

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

EU-Regulations

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds (VOC-RL)
none

Regulation (EC) No 2037/2000 on substances that deplete the ozone layer
none

Regulation (EC) No 850/2004 on persistent organic pollutants
none

Regulation (EC) No 689/2008 concerning the export and import of dangerous chemicals
none

Regulation (EC) No 648/2004 (Detergents regulation)
none

Restrictions under Title VIII of Regulation (EC) No 1907/2006
none

National regulations

Moreover, national legislation has to be observed!

Informations on working limitations

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Major Accidents Ordinance

Not subject to StörfallVO.

Storage class according to VCI

Water Hazard Class according to VwVwS

Technical Instructions on Air Quality Control (TA-Luft)

No information available.

Further regulations, limitations and legal requirements

none

15.3 Chemical safety assessment

For this preparation a chemical safety assessment has been carried out:

For this substance a chemical safety assessment has not been carried out.

16. Other information

16.1 Wording of the H and R-phrases under paragraph 3 Regulation (EC) No 1272/2008

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Directive 67/548/EEC

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16.2 Training instructions

none

16.3 Recommended restrictions of use

none

16.4 Further remarks

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.

16.5 Documentation of changes

* Data changed from previous versions

16.6 Data sources

Data arise from reference works and literature.

16.7 Key and definition

Wording of the r-phrases under paragraph 3:

17. Appendix

17.1 Exposure scenario

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