

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

### 1.1. Product identifier

# Erkoskin

CAS No.: --  
EG No.: --  
INDEX No.: --  
REACH No.: --

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

Relevant identified uses: Protective film  
Uses advised against: Other

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

#### Manufacturer

ERKODENT Erich Kopp GmbH  
Siemensstrasse 3  
--  
D 72285 Pfalzgrafenweiler

Telephone: +49 7445 8501 0  
Telefax: +49 7445 2092

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

ERKODENT Erich Kopp GmbH  
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Telephone: +49 7445 8501 0  
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#### Information contact

ERKODENT Erich Kopp GmbH

Information telephone: +49 7445 8501 21  
Information telefax: --  
E-mail (competent person): w.heuchert@erkodent.com  
Website: www.erkodent.com

### 1.4. Emergency telephone number

ERKODENT Erich Kopp GmbH  
Only available during office hours.

Telephone: +49 7445 8501 0

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008: - No dangerous material! (!)

### 2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms: -

Signal word: -

Hazard statements: -

**Precautionary statements:**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with plenty of water/.?.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P337+313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P501	Dispose of contents/container to .?.

**Hazardous component(s) for labelling**  
none

**Special labelling of particular preparations:**  
none

### 2.3. Other hazards

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. The substance is classified as not hazardous according to Directive 67/548/EEC. Ammonia Processing vapours can irritate the respiratory tracts, skin and eyes. NR (natural rubber, natural latex) May cause an allergic skin reaction.

## SECTION 3: Composition / information on ingredients

### 3.1. Substances

Mixtures

### 3.2. Mixtures

NR (natural rubber, natural latex) Mixtures

#### Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008 (CLP):
Natural rubber Latex	232-689-0	9006-04-6			99%	-
ammonia water	215-647-6	1336-21-6	007-001-01-2		0,2 - 0,8%	Met. Corr. 1, H290; Skin Corr. 1/1A/1B/1C, H314; STOT SE 3, H335; Aquatic Acute 1, H400

(Full text of H- and EUH-phrases: see section 16.)

Natural rubber Latex: Natural dispersion of approx. 60% polyisoprene with natural accompanying substances in water

## SECTION 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. If unconscious place in recovery 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. Call a physician in any case! Seek medical attention if problems persist.

**Following 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.

**After 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.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

In case of skin irritation, consult a physician.

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### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

**Suitable extinguishing media:** Carbon dioxide (CO<sub>2</sub>). Foam. Dry extinguishing powder. Water fog. Water spray.

**Unsuitable extinguishing media:** No information available.

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

Non-combustible liquids

#### **5.3. Advice for firefighters**

##### **General information**

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

##### **Special protective equipment for firefighters:**

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

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### **SECTION 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 breathing apparatus if exposed to vapours/dusts/aerosols.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

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

#### **6.4. Reference to other sections**

See protective measures under point 7 and 8.

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### **SECTION 7: Handling and storage**

#### **7.1. Precautions for safe handling**

### Advices on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid contact with skin, eyes and clothes. Inhalation of vapours or spray/mists Avoid contact with skin, eyes and clothes.

### Precautions against fire and explosion

Non-combustible liquids

## 7.2. Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

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

### Hints on joint storage

Conditions to avoid: UV-radiation/sunlight. Frost

Storage class: 12

## 7.3. Specific end use(s)

Observe instructions for use.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:

#### Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source :	Occupational exposure limit value:[ppm]	Occupational exposure limit value:[mg/m³]	Limitation of exposure peaks:	Remark:

#### DNEL-/PNEC-values

##### DNEL value

Substance:	CAS-No.:	DNEL/DMEL

##### PNEC Value

Substance:	CAS-No.:	PNEC

#### Remark:

none

### 8.2. Exposure controls

#### Occupational exposure controls

Ammonia CAS 7664-41-7

MAK: 20 ml / 14 mg/m3

#### General protection and hygiene measures

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after 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 breathing apparatus if exposed to vapours/dusts/aerosols.

#### Hand protection

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

#### Eye/face protection

Tightly sealed safety glasses.

#### Body 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 allow to enter into surface water or drains.

#### Consumer exposure controls

refer to chapter 7. No further action is necessary.

#### Exposure Scenario

none

## SECTION 9: Physical and chemical properties

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

#### Appearance:

Physical state: Liquid  
Colour: violet  
Odour: Ammonia (NH<sub>3</sub>)  
Odour threshold: No data available

#### Safety relevant basis data

Parameter	Value	Unit	Remark
pH:	10 - 12		
Melting point/freezing point:			not applicable
Initial boiling point and boiling range:	100	°C	
Flash point:			not applicable
Evaporation rate:			not determined
Flammability (solid, gas):			not applicable
Explosive properties:			not explosive.
Lower flammability or explosive limits:			not applicable
Upper flammability or explosive limits:			not applicable
Vapour pressure:			not determined
Vapour density:			not determined
Relative density:			not determined
Density:	0,947	g/cm <sup>3</sup>	
Solubility(ies):	:		not determined
Water solubility:			completely miscible
Fat solubility:			not determined
Partition coefficient: n-octanol/water:			not determined
Auto-ignition temperature:			none Risk of selfignition.
Decomposition temperature:			not applicable
Viscosity:			not determined
Oxidising properties:			not applicable
Solvent content:			not applicable

## 9.2. Other information

No information available.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature. Keep container tightly closed.

### 10.3. Possibility of hazardous reactions

none Possibility of hazardous reactions

### 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

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicological data are not available.

**M-factor:** --

**Acute toxicity (dermal):** --

**Acute toxicity (oral):** --

**Acute toxicity (inhalative):** --

#### Acute toxicity

Substance:	CAS-No.:	Toxicological information
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#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

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

#### Respiratory or skin sensitisation

May cause sensitization by inhalation and skin contact.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

##### Carcinogenicity

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

##### Germ cell mutagenicity

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

##### Reproductive toxicity

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.

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## SECTION 12: Ecological information

### 12.1. Toxicity

There are no data available on the mixture itself.

#### Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
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### 12.2. Persistence and degradability

There are no data available on the mixture itself.

### 12.3. Bioaccumulative 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

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

### 12.6. Other adverse effects

There are no data available on the mixture itself.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Appropriate disposal/Product:

Dispose of waste according to applicable legislation. Send to a physico-chemical treatment facility under observation of official regulations. Send to a hazardous waste incinerator facility under observation of official regulations. Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package:

Send to a hazardous waste incinerator facility under observation of official regulations. Handle contaminated packages in the same way as the substance itself.

#### List of proposed waste codes/waste designations in accordance with EWC

Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: --

Waste code packaging: --

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## SECTION 14: Transport information

### 14.1. UN number

UN No.: --

#### 14.2. UN proper shipping name

ADR / RID

--  
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IMDG / ICAO-TI / IATA-DGR

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#### 14.3. Transport hazard class(es)

Hazard label(s):: -- Classification Code: --

#### 14.4. Packing group

Packing Group: --

#### 14.5. Environmental hazards

Labelling environmentally hazardous substances

ADR/RID / IMDG-Code / ICAO-TI / IATA-DGR:  yes /  no

Marine Pollutant:  yes /  no

#### 14.6. Special precautions for user

Land transport (ADR/RID)

Transport category: -- Tunnel restriction code: --

Special provisions: -- Limited quantity (LQ): --

Sea transport (IMDG)

EmS-No: --

Special provisions: -- Limited quantity (LQ): --

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Remark: No dangerous good in sense of these transport regulations.

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### SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) No 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register:

No information available.

Regulation (EC) No 1005/2009 on substance that deplete the ozone layer:

No information available.

Regulation (EC) No 648/2004 on detergents:

No information available.

Regulation (EC) No 850/2004 on persistent organic pollutants:

No information available.

Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals:

No information available.



**Restrictions according to Title VIII of Regulation (EC) No 1907/2006:**

No information available.

**National regulations**

Observe in addition any national regulations!

**Restrictions of occupation**

none

**Other regulations, restrictions and prohibition regulations**

none

## 15.2. Chemical Safety Assessment

**A chemical safety assessment has been carried out for this substance:** --

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

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## SECTION 16: Other information

**Relevant H- and EUH-phrases (Number and full text)**

**Hazard statements**

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

**Training advice**

none

**Recommended restrictions of use**

none

**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.

**Documentation of changes**

none

**Key literature references and sources for data**

Data arise from reference works and literature.

**Abbreviations and acronyms**

AC: Artikelkategorie (Article Category)  
ACGIH: Rat für Arbeitsschutz und Gefahrstoffe, Amerika (American Conference of Government Industrial Hygienists)  
ADN: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf Binnengewässern (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
ADR: Europäisches Übereinkommen über die internationale Beförderung gefährlicher Güter auf der Straße (Accord européen relatif transport des marchandises dangereuses par route)  
AGW: Arbeitsplatzgrenzwert  
AOX: Adsorbierbare organisch gebundene Halogene (Adsorbable Organic halogen compounds)  
Bw: Körpergewicht (Body weight)  
CMR: Stoffe klassifiziert als Krebserzeugend, Mutagen oder Reproduktionstoxisch (Carcinogenic, Mutagenic, toxic for Reproduction)  
CSR: Stoffsicherheitsbericht (Chemical Safety Report)  
DIN: Deutsches Institut für Normung / Deutsche Industrienorm  
DNEL: Grenzwert, unterhalb dessen der Stoff keine Wirkung ausübt (Derived No Effect Level)  
DPD: Zubereitungsrichtlinie / Richtlinie 1999-45-EC (Dangerous Preparations Directive)  
DSD: Stoffrichtlinie / Richtlinie 67-548-EC (Dangerous Substances Directive)  
DU: Nachgeschalteter Anwender (Downstream User)  
EC50: Wirksame Konzentration 50% (Effective Concentration 50%)  
EWC/EWL: Europäischer Abfallartenkatalog (European Waste Catalogue)  
IATA: Verband für den internationalen Lufttransport (International Air Transport Association)  
IBC: Großpackmittel (Intermediate Bulk Container)  
ICAO: Internationale Zivilluftfahrt-Organisation (International Civil Aviation Organization)  
IMDG Code: Gefahrgutvorschriften für den internationalen Seetransport (International Maritime Dangerous Goods Code)  
IMO: Internationale Seeschiffahrts-Organisation (International Maritime Organization)  
ISO: Internationale Normungsorganisation (International Standards Organisation)  
LC50: Lethale (Tödliche) Konzentration 50%  
LD50: Lethale (Tödliche) Dosis 50%  
LEV: Lokale Absaugung (Local exhaust ventilation)  
MAK: Maximale Arbeitsplatzkonzentration – DFG  
OEL: Arbeitsplatzgrenzwert (Occupational Exposure Limit)  
PBT: persistent, bioakkumulierbar, giftig (persistent, bioaccumulative, toxic)  
PNEC: Abgeschätzte Nicht-Effekt-Konzentration (Predicted No Effect Concentration)  
PPE/PSA: Persönliche Schutzausrüstung (Personal Protective Equipment)  
REACH: Registrierung, Bewertung und Zulassung von Chemikalien (Registration, Evaluation and Authorization of Chemicals)  
RID: Gefahrgutvorschriften für den Transport mit der Eisenbahn (Règlement International concernant le transport de marchandises dangereuses par chemin de fer)  
STEL: Grenzwert für Kurzzeitexposition (Short-term Exposure Limit)  
SVHC: Stoff sehr hoher Besorgnis (Substance of Very High Concern)  
TLV: Arbeitsplatzgrenzwert (Threshold Limit Value)  
VOC: Flüchtige organische Kohlenwasserstoffe (Volatile Organic Compounds)  
vPvB: sehr persistent, sehr bioakkumulierbar (very persistent, very bioaccumulative)