

Material Safety Data Sheet

according to ANSI Z400.1-2004



KOROSIN 2000

Print date: 27.02.2014

Product code: 11386-0020

Page 1 of 7

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

Product identifier

KOROSIN 2000

Chemical characterization (Mixture)

Aqueous solution

Details of the supplier of the safety data sheet

Company name: pro Kühlsole GmbH
Street: Am Langen Graben 37
Place: D-52353 Düren
Telephone: +49 2421 59196-0
Telefax: +49 2421 59196-10
Responsible for the safety data sheet: sds@gbk-ingelheim.de

Emergency telephone: Emergency telephone INTERNATIONAL :+49 (0) 6132 / 84463 (GBK GmbH, Ingelheim)

SECTION 2: Hazards identification

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

WARNING !

Irritating to eyes. Irritating to skin. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

Other hazards

High risk of slipping due to leakage/spillage of product.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

CAS No	Components	Quantity
29385-43-1	Methyl-1H-benzotriazole	1 - < 5 %
1310-73-2	caustic soda, sodium hydroxide	< 1 %

SECTION 4: First aid measures

Description of first aid measures

General information

Remove contaminated soaked clothing immediately.
In the event of persistent symptoms receive medical treatment.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.
In the event of symptoms refer for medical treatment.

Material Safety Data Sheet

according to ANSI Z400.1-2004



KOROSIN 2000

Print date: 27.02.2014

Product code: 11386-0020

Page 2 of 7

After contact with skin

Wash off immediately with soap and plenty of water.
Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical treatment by eye specialist.

After ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting.
Rinse out mouth thoroughly with water.
Consult a physician.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

The product is not combustible.
Use fire fighting measures that suit the environment and products stored

Special hazards arising from the substance or mixture

Fire may produce: Carbon monoxide and carbon dioxide. Under certain fire conditions traces of other toxic substances cannot be excluded.

Advice for firefighters

Use breathing apparatus with independent air supply.
Wear full protective suit.

Additional information

Apply cooling water to the side of containers that are exposed to flames.
Collect contaminated fire-fighting water, avoid any release into the sewerage. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Avoid contact with eyes, skin or mucous membrane.
Use personal protective clothing.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Suppress gases/vapours/mists with water spray jet

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

Reference to other sections

Information for disposal look up chapter 13.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Do not inhale vapour/aerosol In case of insufficient ventilation, especially in confined areas.
Use only in thoroughly ventilated areas.
Avoid contact with eyes, skin or mucous membrane.

Material Safety Data Sheet

according to ANSI Z400.1-2004



KOROSIN 2000

Print date: 27.02.2014

Product code: 11386-0020

Page 3 of 7

Ensure adequate ventilation, especially in confined areas.

Advice on protection against fire and explosion

No special precautions required.

Further information on handling

Protective goggles in the event of risk of splashes

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.
Keep only in original container.

Advice on storage compatibility

Keep away from food, drink and animal feeding stuffs.

Further information on storage conditions

Protect from frost.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

CAS No	Components	ppm	mg/m ³	fib/cc	Category	Origin
1310-73-2	Sodium hydroxide	-	2		TWA (8 h)	PEL
		-	-		TWA (8 h)	TLV
		-	-		Peak	TLV
		-	C 2		Ceiling	REL
		-	C 2		Ceiling	TLV

Exposure controls



Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.
When using, do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.
Take off immediately all contaminated clothing.

Eye/face protection

Tightly fitting goggles (EN 166)
Eye wash bottle with pure water.

Hand protection

Chemical-resistant gloves (EN 374)
Follow the recommendations of the glove manufacturer for breakthrough properties especially for workplace conditions involving mechanical stress and contact duration.

Skin protection

Long sleeved clothing.

Respiratory protection

No personal respiratory protective equipment normally required.

Material Safety Data Sheet

according to ANSI Z400.1-2004



KOROSIN 2000

Print date: 27.02.2014

Product code: 11386-0020

Page 4 of 7

Breathing apparatus in the event of aerosol or mist formation.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Liquid
Color: Colourless, Light yellow
Odor: Characteristic

Test method

pH-Value (at 20 °C): 10 - 12

Changes in the physical state

Melting point: n.a.
Initial boiling point and boiling range: 100 °C
Flash point: 111 °C
Density (at 20 °C): 1,30 - 1,40 g/cm³
Water solubility: Completely miscible
(at 20 °C)
Explosive properties: The product is not explosive
Oxidizing properties: The product is not self-igniting.
Solvent content: 0 %

Other information

No data available.

SECTION 10: Stability and reactivity

Stability: Stable
Possibility of Hazardous Reactions: Will not occur

Conditions to avoid

Keep from freezing.

Incompatible materials

None under normal processing.

Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

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

Acute toxicity

CAS No	Components	Exposure routes	Method	Dose	Species	Source
29385-43-1	Methyl-1H-benzotriazole	oral	LD50	675 mg/kg	Rat	
		dermal	LD50	> 2000 mg/kg	Rabbit	

Irritation and corrosivity

Material Safety Data Sheet

according to ANSI Z400.1-2004



KOROSIN 2000

Print date: 27.02.2014

Product code: 11386-0020

Page 5 of 7

Causes skin irritation.
Causes serious eye irritation.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Sensitizing effects

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

STOT-single exposure

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

Severe effects after repeated or prolonged exposure

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.

Aspiration hazard

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

SECTION 12: Ecological information

Toxicity

No data available.

Persistence and degradability

Product is biodegradable.: > 90 % (OECD 301 F)

Bioaccumulative potential

Not determined.

Mobility in soil

Not determined.

Results of PBT and vPvB assessment

Not determined.

Other adverse effects

Slightly water hazardous.

Further information

Do not release undiluted or in higher quantities into the groundwater, sewage system or waters.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Should not be disposed of with household waste. Do not flush into surface water or sanitary sewer system. Where possible recycling is preferred to disposal. The waste code number must be agreed with the disposer / manufacturer / competent authority.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product.

Cleaning agent: Water

Material Safety Data Sheet

according to ANSI Z400.1-2004



KOROSIN 2000

Print date: 27.02.2014

Product code: 11386-0020

Page 6 of 7

SECTION 14: Transport information

Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN)

UN number:

Non hazardous material as defined by the transport regulations.

UN proper shipping name:

Non hazardous material as defined by the transport regulations.

Transport hazard class(es):

Non hazardous material as defined by the transport regulations.

Packing group:

Non hazardous material as defined by the transport regulations.

Environmental hazards

Non hazardous material as defined by the transport regulations.

Special precautions for user

Non hazardous material as defined by the transport regulations.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Non hazardous material as defined by the transport regulations.

US DOT 49 CFR 172.101

Proper shipping name: Not regulated.

SECTION 15: Regulatory information

U.S. Regulations

National Inventory TSCA

All of the components are listed on the TSCA inventory.

SARA

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

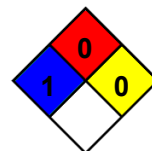
SECTION 16: Other information

Hazardous Materials Information Label (HMIS)

Health:	1
Flammability:	0
Physical Hazard:	0

NFPA Hazard Ratings

Health:	1
Flammability:	0
Reactivity:	0
Unique Hazard:	



Changes

Changes in chapter: 4, 8, 14, 15

Other data

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult Prescribing Information and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the

Material Safety Data Sheet

according to ANSI Z400.1-2004



KOROSIN 2000

Print date: 27.02.2014

Product code: 11386-0020

Page 7 of 7

legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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