

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**

- **Trade name:** Slipol® S 23

- **Article number:** 061010

- **Application of the substance / the preparation** *Foaming agents and stabilizers.*

- **Manufacturer/Supplier:**

Weserland GmbH

P.O. Box 21 04 80, 30404 Hannover (Germany)

Hansastraße 9 - 17, 30419 Hannover (Germany)

phone: +49 (0)511 / 97997-0 / fax: +49 (0)511 / 97997-70

e-mail: info@weserland.eu

www.weserland.eu

- **Further information obtainable from:**

Quality / environment department, Mr. Ehrle, email: ehrle@weserland.eu

- **Information in case of emergency:**

GIZ-Nord Poisons Centre, University Medicine Göttingen (UMG),

As all German poisons centres the GIZ-Nord gives advice to the general public and to medical doctors treating poisoned patients. The service is available 24 hours a day. Toxicology trained medical doctors give advice. Two chemists, an IT specialist and two technicians support them.

Medical doctors phon: 49 551 383180

General public phone: 49 551 19240

Fax: : 49 551 3831881

2 Hazards identification

- **Hazard description:**



C Corrosive

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 35 Causes severe burns.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Additional information:**

The classification results behalf the pH-values (less or equal 2 or bigger or equal 11,5) according 67/548/EU, revised.



3 Composition/information on ingredients

- **Chemical characterization**

- **Description:**

Aqueous preparation of potassium soaps based on native fatty acids (fatty acids, potassium salt).

- **Dangerous components:**

CAS: 1310-58-3	potassium hydroxide	 C,  Xn; R 22-35	< 2.5%
EINECS: 215-181-3			

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:** Immediately remove any clothing soiled by the product.

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- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Drink plenty of water and provide fresh air. Call for a doctor immediately.
Seek medical advice immediately show this material safety data sheet.
If swallowed, rinse mouth with water (only if the person is conscious).
- **Information for doctor:** Treat symptomatically and supportively.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
May be released in case of fire:
harmfulgases/vapours
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Being an aqueous system, product itself does not burn. Fire extinguishing measures to be adopted to ambient fire.

6 Accidental release measures

- **Person-related safety precautions:**
Particular danger of slipping on leaked/spilled product.
Wear protective clothing.
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store dry and cool, protect from frost.
+5 - +30°C
- **Storage class:** Non-combustible corrosive substances (8 B).

8 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**
 Gloves of nitrile rubber (EN 374) recommended: Tricotted gloves with nitrile rubber coating (EN 374).
 Deemed suitable from own experiences. After work apply hand cream.
 Rubber gloves
 (EN 374)
- **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**
 Tightly sealed goggles
 (EN 166)
- **Body protection:**
 Protective work clothing
 (EN 344)

9 Physical and chemical properties

· General Information

Form:	Fluid
Colour:	Yellowish Light brown
Odour:	Characteristic

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: ~ 100°C

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** ~ 1 g/cm³

· **Solubility in / Miscibility with water:**

Fully miscible.

· **pH-value at 20°C:** 11.8 - 12.2

· **Viscosity:**

Dynamic at 20°C: < 200 mPas

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· **Solvent content:**
Organic solvents: 0.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** May react with strong oxidizing agents.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

1310-58-3 potassium hydroxide

Oral	LD50	273 mg/kg (rat)
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· **Primary irritant effect:**

· **on the skin:** Strong caustic effect on skin and mucous membranes.

· **on the eye:** Strong caustic effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Corrosive

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

· **Information about elimination (persistence and degradability):**

· **Other information:**

The product is biodegradable.

(data derived from literature)

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

07 06 04	other organic solvents, washing liquids and mother liquors
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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 8 Corrosive substances.
- **Danger code (Kemler):** 80
- **UN-Number:** 3266
- **Packaging group:** II
- **Hazard label:** 8
- **Description of goods:** 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE SOLUTION)

- **Maritime transport IMDG:**



- **IMDG Class:** 8
- **UN Number:** 3266
- **Label:** 8
- **Packaging group:** II
- **EMS Number:** F-A,S-B
- **Marine pollutant:** No
- **Proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 3266
- **Label:** 8
- **Packaging group:** II
- **Proper shipping name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (POTASSIUM HYDROXIDE)

15 Regulatory information

- **Labelling according to EU guidelines:**
 Observe the general safety regulations when handling chemicals.
 The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
 C Corrosive

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· Hazard-determining components of labelling:*potassium hydroxide***· Risk phrases:***35 Causes severe burns.***· Safety phrases:***24 Avoid contact with skin.**26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.**36/37/39 Wear suitable protective clothing, gloves and eye/face protection.**60 This material and its container must be disposed of as hazardous waste.***16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant R-phrases*22 Harmful if swallowed.**35 Causes severe burns.***· Department issuing MSDS: Quality / env. dept.****· Contact: Mr. Ehrle, email ehrle@weserland.eu****· * Data compared to the previous version altered.**

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