

Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 03.01.2018

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

- **Product identifier**
- **Trade name: Liquisan B**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation**
Liquid alkaline concentrate in combination with Liquisan
A for professional use
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
BurnusHychem GmbH
Röblerstraße 94 D-
64293 Darmstadt Tel.
+49-66 63 976 100 Fax
+49-66 63 976 200
Email: contact@burnushychem.com
- **Distributor:**
Burnus General Trading Co.
L.L.C. P.O. Box: 231374
Dubai / United Arab Emirates
Fon: +971 4 2688845
Fax: +971 4 2685589
Email: burnus@eim.ae
- **Further information obtainable from:** Telefon: +49-66 63-976-100
- **Department issuing MSDS:** J.Wenninger@burnushychem.com
- **Emergency telephone number:**
Beratungsstelle bei Vergiftungen, Universitätsklinikum
Mainz Telefon: 06131-19240

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC C; Corrosive**
R35: Causes severe burns.
- **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.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

(Contd. on page 2)

AE-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 03.01.2018

Trade name: **Liquisan B**

(Contd. of page 1)

- Code letter and hazard designation of product:

C Corrosive

- Hazard-determining components of**labelling:** sodium hydroxide

potassium hydroxide

- Risk phrases:

35 Causes severe burns.

- Safety phrases:

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.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

60 This material and its container must be disposed of as hazardous waste.

- Other hazards**- Results of PBT and vPvB assessment****- PBT:** Not applicable.**- vPvB:** Not applicable.**3 Composition/information on ingredients****- Chemical characterization: Mixtures****- Description:** Mixture of substances listed below with nonhazardous additions.**- Dangerous components:**

CAS: 1310-73-2 EINECS: 215-185-5 Index number: 011-002-00-6	sodium hydroxide	C R35 H314	25-<100%
CAS: 1310-58-3 EINECS: 215-181-3 Index number: 019-002-00-8	potassium hydroxide	C R35; Xn R22 H290; H314; H302	5-<10%

- Regulation (EC) No 648/2004 on detergents:

phosphonates	< 5%
--------------	------

- Additional information: For the wording of the listed risk phrases refer to section 16.**4 First aid measures****- Description of first aid measures****- General information:** Immediately remove any clothing soiled by the product.**- After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

- After skin contact:

After contact with skin, wash immediately with plenty of soap and water. If skin irritation continues, consult a doctor.

(Contd. on page 3)

AE-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 03.01.2018

Trade name: Liquisan B

(Contd. of page 2)

- **After eye contact:**
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.
Use neutralizing agent.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 10 for information on "stability and reactivity".
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Provide alkali-resistant floor.
- **Information about storage in one common storage facility:** Store away from foodstuffs.

(Contd. on page 4)

AE-EN

Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 03.01.2018

Trade name: Liquisan B

(Contd. of page 3)

- **Further information about storage conditions:**
Keep receptacle tightly sealed. Protect from frost.
- **Minimum storage temperature:** 0 °C
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

- Ingredients with limit values that require monitoring at the workplace: 1310-73-2 sodium hydroxide

MAK (Germany) vgl. Abschn. IIb

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals. 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 (EN 374)
Check protective gloves prior to each use for their proper condition.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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
- **Body protection:** Use protective suit.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Fluid
Colour:	Colourless

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 03.01.2018

Trade name: Liquisan B

(Contd. of page 4)

- Odour:	Odourless
- Odour threshold:	Not determined.
- pH-value at 20 °C:	14
- Change in condition	
Melting point/Melting range:	-5 °C
Boiling point/Boiling range:	100 °C
- Flash point:	Not applicable.
- Flammability (solid, gaseous):	Not applicable.
- Ignition temperature:	
Decomposition temperature:	Not determined.
- Self-igniting:	Product is not self-igniting.
- Danger of explosion:	Product does not present an explosion hazard.
- Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
- Vapour pressure:	Not determined.
- Density at 20 °C:	1,5 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.
- Evaporation rate	Not determined.
- Solubility in / Miscibility	
with water:	Fully miscible.
- Partition coefficient (n-octanol/water):	Not determined.
- Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
- Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
Strong exothermic reaction with acids.
Reacts with metals forming hydrogen.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** acids
- **Hazardous decomposition products:**
No dangerous products of decomposition if used and stored according to specifications.

AE-EN

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Revision: 03.01.2018

Trade name: Liquisan B

(Contd. of page 5)

11 Toxicological information

- Information on toxicological effects**- Acute toxicity:****- 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 oesophagus and stomach.

No experimentally found toxicological data are available for this preparation.

12 Ecological information

- Toxicity**- Aquatic toxicity:** No further relevant information available.**- Persistence and degradability** No further relevant information available.**- Behaviour in environmental systems:****- Bioaccumulative potential** No further relevant information available.**- Mobility in soil** No further relevant information available.**- Additional ecological information:****- 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.

- Results of PBT and vPvB assessment**- PBT:** Not applicable.**- vPvB:** Not applicable.**- Other adverse effects** No further relevant information available.

13 Disposal considerations

- Waste treatment methods**- Recommendation** Disposal must be made according to official regulations.**- Uncleaned packaging:****- Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- UN-Number**- ADR, IMDG, IATA**

UN3266

(Contd. on page 7)

AE-EN

Safety data sheet
according to 1907/2006/EC, Article 31

Revision: 03.01.2018

Trade name: Liquisan B

(Contd. of page 6)

- UN proper shipping name
- ADR
- IMDG, IATA
- Transport hazard class(es)
- ADR

3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
(SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)
CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
(SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)

- Class
- Label

8 (C5) Corrosive substances.
8

-
- IMDG, IATA

- Class
- Label
- Packing group
- ADR, IMDG, IATA
- Environmental hazards:
- Special precautions for user
- Danger code (Kemler):
- EMS Number:
- Segregation groups
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
- Transport/Additional information:

8 Corrosive substances.
8
II
Not applicable.
Warning: Corrosive substances.
80
F-A,S-B
Alkalis
Not applicable.

-
- ADR
 - Limited quantities (LQ)
 - Transport category
 - Tunnel restriction code

1L
2
E

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to EU guidelines:
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

(Contd. on page 8)

AE-EN

Safety data sheet
according to 1907/2006/EC, Article 31

Revision: 03.01.2018

Trade name: Liquisan B

(Contd. of page 7)

- **Hazard-determining components of labelling:** sodium hydroxide
potassium hydroxide
- **Risk phrases:**
35 Causes severe burns.
- **Safety phrases:**
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.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
60 This material and its container must be disposed of as hazardous waste.
- **National regulations:**
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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 phrases**
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
R22 Harmful if swallowed.
R35 Causes severe burns.

AE-EN