

# SAFETY DATA SHEET Conform to 1907/2006/EC regulation, article 31

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Revised edition no : 12

Date : 18 / 6 / 2010

Supersedes : 11 / 5 / 2009

**SOPURED**

**453-132(DE)**



Xi : Irritant



8 : Corrosive substance.



<b>Health : 3</b>	WARNING : Corrosive or toxic. Avoid skin contact or inhalation.
<b>Flammability : 0</b>	Not combustible.
<b>Reactivity : 0</b>	Stable : Not reactive when mixed with water.
<b>Special Notice Key : --</b>	---

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

<b>Identification of the product</b>	: Alkaline liquid mixture.
<b>Trade name</b>	: SOPURED
<b>Use</b>	: Industrial. Further information: refer to Technical Data Sheet.
<b>Company identification</b>	: SOPURA Rue de Trazegnies, 199 6180 COURCELLES BELGIUM Tel: +32 71 46 80 10 (8h00- 17h00) E-Mail : sales@sopura.com
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<b>Responsible for MSDS redaction</b>	: Rudi Eckle + 49 172 677 50 65 - E-mail: rec@sopura.com
<b>Emergency phone nr</b>	: Sopura Headquarter (08h00-17h00) Tel: +32 71 468010 E-mail: sales@sopura.com. com. D.Capouillez GSM: +32 477 408176
<b>- Official advisory body</b>	: .

## 2. HAZARDS IDENTIFICATION

<b>Risk Phrases</b>	: May irritate eyes.
<b>Hazards identification</b>	
<b>Symptoms relating to use</b>	
- Inhalation	: Irritating to respiratory system.
- Skin contact	: Redness, pain.
- Eye contact	: Redness, pain. Blurred vision. Risk of serious damage to eyes.
- Ingestion	: Severe ingestion hazard.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is considered to be hazardous and contains hazardous components. See the significance of the sentences R in chapter 16.

<b>Composition</b>	: The classification was carried out for tested properties according to the substance directive (67/548/EWG), annex VI, otherwise according to the calculation procedure described in the preparation directive (1999/45/EG).
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Tel: +32 71 46 80 10 (8h00- 17h00) E-Mail : sales@sopura.com

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS (continued)

Substance name	Contents	CAS No	EC No	Index No	Classification
<b>Tetrasodium ethylene diamine</b>	:	64-02-8	200-573-9	607-428-00-2	----- Xn; R22 Xi; R41
	<i>Rat oral LD50 [mg/kg] : 1000 to 2000</i>				
	<i>L.idus LC50 (mg/l) : 96h &gt; 500</i>				
	<i>WGK class (Germany) : 1</i>				
	<i>Biodegradation [%] : Low.</i>				
	<i>COD [mg O2/g] : 575</i>				
<b>Sodium hydroxide</b>	:	1310-73-2	215-185-5	011-002-00-6	----- C; R35
	<i>TLV® -TWA [mg/m³] : 2 BE: MB 07.06.2007</i>				
	<i>Rat oral LD50 [mg/kg] : 140 to 340</i>				
	<i>Rabbit dermal LD50 [mg/kg] : 1350</i>				
	<i>Rabbit LDLo [mg/kg] : 500</i>				

## 4. FIRST AID MEASURES

### First aid

- **Inhalation** : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- **Skin contact** : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
- **Eye contact** : Rinse immediately with plenty of water during 15 minutes and keep the eyelids open. Emergency eye wash fountain with clean water. (Keep a bottle of water at hand).
- **Ingestion** : Do NOT induce vomiting.  
Rinse mouth.  
Seek medical advice.

## 5. FIRE-FIGHTING MEASURES

- Flammable class** : Not combustible.
- Extinguishing media** : All extinguishing media can be used.
- **Not to be used** : None known.
- Protection against fire** : Use water spray/stream to protect personnel and to cool endangered containers.
- Special procedures** : Exercise caution when fighting any chemical fire.

## 6. ACCIDENTAL RELEASE MEASURES

- Clean up methods** : Clean up any spills as soon as possible, using an absorbent material (earth, sand, ...) to collect the spill. Use suitable disposal containers. Notify authorities if product enters sewers or public waters.

## 7. HANDLING AND STORAGE

- Storage** : Always close containers tightly after the removal of product.
- Handling** : Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Personal protection** : All the protection equipments must be PPE, CE agreed.

**- Skin protection** : Wear suitable protective clothing.  
resistant to basic substances  
Use neoprene or rubber gloves (EN 374). Taking into account the diversity of the types, it is necessary to respect the instructions of the manufacturers.

**- Eye protection** : Wear eye protection.

**Industrial hygiene** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state at 20 °C** : liquid

**Colour** : yellow-orange

**Odour** : Amine-like.

**pH value (concentrated product)** : > 12

**pH 10 g/l** : ± 11

**Freezing point [°C]** : - 24

**Boiling point [°C]** : 107 °C

**Density (g/cm³) 20° C** : 1.290 ± 0.015

**Solubility in water [% weight]** : complete miscible

**Flash point [°C]** : not applicable

**10. STABILITY AND REACTIVITY**

**Hazardous decomposition products** : Nitrogen oxides. Carbon monoxide. Carbon dioxide.

**Hazardous reactions** : Reacts with : Al May generate heat, gases. Hydrogen.  
Strong oxidizing agents.

**11. TOXICOLOGICAL INFORMATION**

**Rabbit oral LD50 [mg/kg]** : > 2000

**On ingredients** : See Heading : Information on ingredients.

**12. ECOLOGICAL INFORMATION**

**On product**

**Biodegradation [%]** : Low.

**COD [mg O2/g]** : 304

**13. DISPOSAL CONSIDERATIONS**

**Disposal** : Dispose in a safe manner in accordance with local/national regulations.

**14. TRANSPORT INFORMATION**

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## 14. TRANSPORT INFORMATION (continued)

### Labelling



### General information

- Proper shipping name : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Tetrasodium ethylene diamine, Sodium hydroxide)

UN No. : 3267

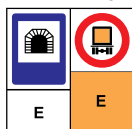
- ADR Class : 8

- Packing group : III

H.I. nr : 80

### Land transport

ADR/RID : E : Passage forbidden through tunnels of category E.



- EMS-Nr : F-A S-B

- ICAO/IATA : Packaging instructions cargo : 820  
Packaging instructions passenger: 818

## 15. REGULATORY INFORMATION

### EC Labelling

### European Communities

*Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006.*

### - Symbol(s)

*Directive 2006/121/EC of the European Parliament and of the Council of 18 December 2006.*

- Symbol(s) : Irritant.

### EC Classification

- R Phrase(s) : R22 : Harmful if swallowed.

- R Phrase(s) : R38 : Irritating to skin.  
R41 : Risk of serious damage to eyes.

### EC Classification

- S Phrase(s) :  
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S35 : This material and its container must be disposed of in a safe way.  
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.  
S46 : If swallowed seek medical advice immediately and show this container or label.

## 16. OTHER INFORMATION

Recommended uses and restrictions : Further information: refer to Technical Data Sheet.

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#### 16. OTHER INFORMATION (continued)

<b>Sources of key data used</b>	: <a href="http://kan.de">http://kan.de</a> - <a href="http://www.umweltbundesamt.de">http://www.umweltbundesamt.de</a> - <a href="http://kemi.se">http://kemi.se</a> - <a href="http://toxnet.nlm.nih.gov">http://toxnet.nlm.nih.gov</a> - <a href="http://www.inrs.fr">http://www.inrs.fr</a> - <a href="http://www.iarc.fr">http://www.iarc.fr</a> - <a href="http://www.nihs.go.jp">http://www.nihs.go.jp</a> - <a href="http://chemweb.com">http://chemweb.com</a> - <a href="http://www.cas.org">http://www.cas.org</a> - <a href="http://www.europ.eu.int">http://www.europ.eu.int</a> - <a href="http://ecb.jrc.it">http://ecb.jrc.it</a> - <a href="http://europa.eu">http://europa.eu</a> - <a href="http://www.enichem.org">http://www.enichem.org</a> - <a href="http://just.fgov.be">http://just.fgov.be</a> - <a href="http://www.vrom.nl/milieuhanboek">http://www.vrom.nl/milieuhanboek</a> - <a href="http://mobilit.fgov.be">http://mobilit.fgov.be</a>
<b>Text of the R-Phrases of § 3</b>	: R22 : Harmful if swallowed. R35 : Causes severe burns. R41 : Risk of serious damage to eyes.
<b>Further information</b>	: Revision : see *

The contents and format of this SDS are in accordance with European Regulation 1907/2006/EC.

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