

## Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 16.09.2020

Product: **TERGO ALKALOX**

Version: 1.0

(30722086/SDS\_GEN\_NZ/EN)

Date of print 13.01.2021

### 1. Substance/preparation and manufacturer/supplier identification

#### **TERGO ALKALOX**

Recommended use: Detergents

Manufacturer/supplier:

Chemetall (New Zealand) Ltd  
664 Rosebank Road Avondale,  
Auckland 1026  
NEW ZEALAND  
Telephone: 008 837 464, +64 9 820 3888  
Telefax number: +64 9 820 3979  
E-mail address: nzadmin@basf.com

Emergency information:

National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
BASF Emergency Advice Number: +61 3 8855 6666 (If calling from outside New Zealand)

### 2. Hazard identification

Classification of the substance and mixture:

Skin corrosion/irritation: Cat. 1A

Serious eye damage/eye irritation: Cat. 1

Corrosive to metals: Cat. 1

Label elements and precautionary statement:

Pictogram:



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Signal Word:  
 Danger

## Hazard Statement:

H290 May be corrosive to metals.  
 H314 Causes severe skin burns and eye damage.

## Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.  
 P264 Wash contaminated body parts thoroughly after handling.  
 P234 Keep only in original packaging.  
 P260 Do not breathe dust or mist.

## Precautionary Statements (Response):

P303 + P361 + P353 IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or physician.  
 P390 Absorb spillage to prevent material damage.  
 P363 Wash contaminated clothing before reuse.  
 P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

## Precautionary Statements (Storage):

P405 Store locked up.  
 P406 Store in corrosive resistant container with a resistant inner liner.

## Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

Classified as 'corrosive' due to pH value. (Regulation (EC) No. 1272/2008)

### 3. Composition/information on ingredients

#### Chemical nature

inorganic, organic, aqueous solution

#### Hazardous ingredients

sodium hydroxide

Content (W/W): >= 30 % - < 50 %	Met. Corr.: Cat. 1
CAS Number: 1310-73-2	Skin Corr./Irrit.: Cat. 1A
	Eye Dam./Irrit.: Cat. 1

D-Glucopyranose, oligomers, decyl octyl glycosides

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Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 68515-73-1

Eye Dam./Irrit.: Cat. 1  
Aquatic Acute: Cat. 3

Alcohol, C9-C11, ethoxylated

Content (W/W):  $\geq 1\%$  -  $< 2\%$   
CAS Number: 68439-46-3

Acute Tox.: Cat. 4 (oral)  
Eye Dam./Irrit.: Cat. 1

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#### 4. First-Aid Measures

##### General advice:

Immediately remove contaminated clothing. First aid personnel should pay attention to their own safety. Remove affected person from danger area. Show container, label and/or safety data sheet to physician.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice.

##### On skin contact:

Flush with copious amounts of water for at least 15 minutes. Immediate medical attention required.

##### On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required. Remove contact lenses, if present.

##### On ingestion:

Rinse mouth immediately with water. Do not induce vomiting. Summon medical aid without delay.

##### Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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#### 5. Fire-Fighting Measures

##### Suitable extinguishing media:

carbon dioxide, dry powder, alcohol-resistant foam, water spray

##### Unsuitable extinguishing media for safety reasons:

water jet

##### Specific hazards:

carbon oxides

##### Special protective equipment:

Appropriate breathing apparatus may be required.

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Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

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## 6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions:

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

Methods for cleaning up or taking up:

Ensure adequate ventilation. Pick up with inert absorbent material (e.g. sand, earth etc.). Take up mechanically and collect in suitable container (adequately labelled) for disposal.

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## 7. Handling and Storage

### Handling

Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

The substance/product is non-combustible. The relevant fire protection measures should be noted.

### Storage

Segregate from acids.

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep in a cool, well-ventilated place. avoid contact with metals Protect from frost. Avoid direct sunlight.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

sodium hydroxide, 1310-73-2;

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CLV 2 mg/m<sup>3</sup> (ACGIHTLV)  
CLV 2 mg/m<sup>3</sup> (OEL (NZ))

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Gas filter EN 14387 B)

#### Hand protection:

Chemical resistant protective gloves (EN 374)

Use suitable protective gloves made of nitrile rubber or butyl rubber. Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

#### Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

#### Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift.

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## 9. Physical and Chemical Properties

Form:	liquid
Colour:	clear
Odour:	No data available.
pH value:	12.5 - 13.0
Melting point:	not determined
onset of boiling:	> 100 °C
Flash point:	> 99 °C
Flammability (solid/gas):	hardly combustible
Lower explosion limit:	not determined
Ignition temperature:	not determined
Self heating ability:	It is not a substance capable of spontaneous heating.
Explosion hazard:	not explosive

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Fire promoting properties: not fire-propagating

Vapour pressure:

(20 °C)  
not determined

(50 °C)  
not determined

Density: 1.300 g/cm<sup>3</sup>  
(20 °C)

Solubility in water: soluble

Miscibility with water: miscible

Viscosity, kinematic: 6.0 mm<sup>2</sup>/s  
(20 °C)  
  
(40 °C)  
not determined

Flow time: &lt; 30 s (DIN EN ISO 2431; 3 mm)

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## 10. Stability and Reactivity

Conditions to avoid:  
Protect from sunlight.

Substances to avoid:  
acids, light metals

Corrosion to metals: Corrosive effect on metals.

Hazardous reactions:  
May react with aluminum, zinc or tin, with formation of hydrogen. Risk of exothermic reaction.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Acute toxicity

Assessment of acute toxicity:  
Based on available Data, the classification criteria are not met.

### Irritation

Assessment of irritating effects:

Highly corrosive! Damages skin and eyes. May cause severe damage to the eyes.

### **Respiratory/Skin sensitization**

Assessment of sensitization:

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

### **Germ cell mutagenicity**

Assessment of mutagenicity:

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

### **Carcinogenicity**

Assessment of carcinogenicity:

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

### **Reproductive toxicity**

Assessment of reproduction toxicity:

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

### **Developmental toxicity**

Assessment of teratogenicity:

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

### **Specific target organ toxicity (single exposure):**

Assessment of STOT single:

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

### **Repeated dose toxicity and Specific target organ toxicity (repeated exposure)**

Assessment of repeated dose toxicity:

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

### **Aspiration hazard**

No aspiration hazard expected.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

There are no test results available for this product. Do not allow to enter drains or waterways. Based on available Data, the classification criteria are not met.

## Mobility

Assessment transport between environmental compartments:  
No data available.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
No data available concerning biodegradation and elimination.

Elimination information:

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

## Bioaccumulation potential

Bioaccumulation potential:  
No data available.

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## 13. Disposal Considerations

Observe national and local legal requirements.

Contaminated packaging:

Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC  
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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## 14. Transport Information

### Domestic transport:

Packing group: III  
ID number: UN 1824  
Transport hazard class(es): 8  
Proper shipping name: SODIUM HYDROXIDE SOLUTION

### Further information

Hazchem Code:2R  
IERG Number:37

### Sea transport

IMDG

Packing group: III  
ID number: UN 1824  
Transport hazard class(es): 8  
Marine pollutant: NO



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Proper shipping name: SODIUM HYDROXIDE SOLUTION

**Air transport**

IATA/ICAO

Packing group: III  
ID number: UN 1824  
Transport hazard class(es): 8  
Proper shipping name: SODIUM HYDROXIDE SOLUTION

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## 15. Regulatory Information

### Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO approval code HSR002526

Cleaning Products (Corrosive) Group Standard 2017

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## 16. Other Information

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Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.