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Section 1: Identification

Product name : TERGO ALKALOX in 5L

Product code : 000000000050628996

Manufacturer or supplier's details

BASF Coatings and Chemetall New Zealand Limited
Level 1, 527A 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 contact

Telephone: +64 9 255-4300
E-mail address: ProductSafety_EC_APAC@basf.com, nzadmin@basf.com

Emergency telephone : 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)

Recommended use of the chemical and restrictions on use

Recommended use : Detergent
Restrictions on use : Uses other than recommended

Section 2: Hazard identification

GHS Classification

Corrosive to Metals : Category 1

Skin corrosion/irritation : Category 1A

Serious eye damage/eye irritation : Category 1

GHS label elements

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Hazard pictograms

:



Signal Word

:

Danger

Hazard Statements

:

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

Precautionary Statements

:

Prevention:P234 Keep only in original packaging.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protec-
tion/ face protection/ hearing protection.**Response:**P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT
induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediate-
ly all contaminated clothing. Rinse skin with water.
P304 + P340 + P310 IF INHALED: Remove person to fresh air
and keep comfortable for breathing. Immediately call a
POISON CENTER/ doctor.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with
water for several minutes. Remove contact lenses, if present
and easy to do. Continue rinsing. Immediately call a POISON
CENTER/ doctor.
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.**Storage:**P405 Store locked up.
P406 Store in a corrosion resistant container with a resistant
inner liner.**Disposal:**P501 Dispose of contents/ container to an approved waste
disposal plant.**Other hazards which do not result in classification**

Classified as 'corrosive' due to pH value

If applicable information is provided in this section on other hazards which do not result in classi-
fication but which may contribute to the overall hazards of the substance or mixture.**Section 3: Composition/information on ingredients**

Substance / Mixture

:

Mixture

Chemical nature

:

organic compounds
inorganic base

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Water

Components

Chemical name	CAS-No.	Concentration (% w/w)
sodium hydroxide	1310-73-2	≥ 25 -< 50
Polyethylene glycol, mono(2-ethylhexyl) ether	26468-86-0	≥ 1 -< 2
Hexyl D-glucoside	54549-24-5	≥ 1 -< 2

Section 4: First-aid measures

- Consejos generales : First aid personnel should pay attention to their own safety.
 Immediately remove contaminated clothing.
 In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.
 Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.
 Never give anything by mouth to an unconscious person.
 Keep patient warm and at rest.
- If inhaled : If breathed in, move person into fresh air.
 Call a physician or poison control center immediately.
 If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Call a physician immediately.
 In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
 Call a physician immediately.
 If easy to do, remove contact lens, if worn.
- If swallowed : Do not induce vomiting due to aspiration hazard.
 Keep at rest.
 If symptoms persist, call a physician or Poison Control Center immediately.
 Rinse mouth with water.
- Most important symptoms and effects, both acute and delayed : Causes serious eye damage.
 Causes severe burns.
 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.
 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.
- Notes to physician : No known specific antidote.

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Treat symptomatically.

Section 5: Fire-fighting measures

- Suitable extinguishing media : Water spray jet
Dry powder
Alcohol-resistant foam
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire fighting : Fire will produce dense black smoke containing hazardous combustion products (see section 10).
- Specific extinguishing methods : In the event of fire, cool tanks with water spray.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Special protective equipment for fire-fighters : Appropriate breathing apparatus may be required.
- Hazchem Code : 2R
-

Section 6: Accidental release measures

- Personal precautions, protective equipment and emergency procedures : Avoid breathing vapours.
Keep away from sources of ignition.
Advice on product handling can be found in sections 7 and 8 of this safety data sheet.
For non-emergency personnel:
For emergency responders:
Use personal protective equipment.
Ensure adequate ventilation, especially in confined areas.
- Environmental precautions : Do not allow uncontrolled discharge of product into the environment.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Ensure adequate ventilation.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
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Section 7: Handling and storage

- Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame.
The relevant fire protection measures should be noted.

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- Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).
Do not return residues to the storage containers.
Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.
The workplace should be equipped with an emergency shower and eye-rinsing facility.
Avoid contact with the skin, eyes and clothing.
Handle in accordance with good industrial hygiene and safety practice.
- Hygiene measures : Do not breathe vapors or spray mist.
Remove contaminated clothing immediately and dispose of safely.
Wash hands before breaks and at the end of workday.
Keep away from food, drink and animal feedingstuffs.
- Further information on storage conditions : Keep away from heat.
Avoid direct sunlight.
Store only in corrosion proof containers.
Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel.
Always keep in containers of same material as the original one.
Observe label precautions.
avoid contact with metals
Store protected against freezing.
Keep in a dry, cool and well-ventilated place.
- Materials to avoid : Acids

Segregate from acids and acid forming substances.
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
Metals
- Recommended storage temperature : 0 - 40 °C
- Packaging material : Suitable material: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethyleneterephthalate (PET), Polypropylene, Carbon steel (Iron), tinned carbon steel (Tinplate)

Section 8: Exposure controls/personal protection**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of	Control parameters / Permissible	Basis
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		exposure)	concentration	
sodium hydroxide	1310-73-2	WES-Ceiling	2 mg/m ³	NZ OEL
		C	2 mg/m ³	ACGIH

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Filter type : Inorganic gas/vapor type

Hand protection

Remarks : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. butyl rubber gloves - material thickness: 0.5 mm nitrile rubber (NBR) - 0.4 mm coating thickness Performance level 6, corresponding to a breakthrough time of >480 min according to EN ISO 374-1 The protection glove should be tested for its specific suitability (e.g. mechanical strength, product compatibility, anti-static properties). Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection

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

Skin and body protection : Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

Protective measures : Do not breathe vapour/spray.
 Eye wash fountains and safety showers must be easily accessible.
 If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.
 Avoid contact with the skin, eyes and clothing.
 Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and chemical properties

Appearance : liquid

Color : clear

Odor : No data available

pH : 12.5 - 13.0 (20 °C)

Melting point/ range : not determined

Boiling point/boiling range : > 100 °C
 Method: calculated

Flash point : > 99 °C

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Flammability (liquids)	:	Does not sustain combustion.
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Vapor pressure	:	not determined not determined
Relative vapor density	:	Heavier than air. Lighter than air.
Density	:	1.43 g/cm ³ (20 °C)
Solubility(ies) Water solubility	:	not determined
Partition coefficient: n-octanol/water	:	not applicable for mixtures
Autoignition temperature	:	not determined
Decomposition temperature	:	No decomposition if stored and handled as prescribed/indicated.
Viscosity Viscosity, kinematic	:	6 mm ² /s (23 °C) not determined
Flow time	:	< 30 s (23 °C) Cross section: 3 mm Method: ISO 2431
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Self-heating substances	:	The substance or mixture is not classified as self heating.
Metal corrosion rate	:	Corrosive to metals

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Section 10: Stability and reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Exothermic reaction with strong acids. Gives off hydrogen by reaction with metals.
Conditions to avoid	:	Avoid direct sunlight. avoid contact with metals Protect from frost. Heat, flames and sparks. Heat.
Incompatible materials	:	Acids Metals
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

Section 11: Toxicological information**Acute toxicity**

Not classified due to lack of data.

Skin corrosion/irritation

Causes severe burns.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization**Skin sensitization**

Not classified due to lack of data.

Respiratory sensitization

Not classified due to lack of data.

Chronic toxicity**Germ cell mutagenicity**

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT-single exposure

Not classified due to lack of data.

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Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

Section 12: Ecological information**Ecotoxicity**

No data available

Persistence and degradability

No data available

Bioaccumulative potential**Components:****Hexyl D-glucoside:**Partition coefficient: n- : log Pow: 1.72 - 1.77
octanol/water**Mobility in soil**

No data available

Other adverse effects

No data available

Section 13: Disposal considerations**Disposal methods**

Waste from residues : Do not discharge into drains/surface waters/groundwater.
Observe national and local legal requirements.

Contaminated packaging : Containers which are not properly emptied must be disposed
pursuant to Directive 2008/98/EC
Packaging that is not properly emptied must be disposed of as
the unused product.

Section 14: Transport information**International Regulations****UNRTDG**

UN number : UN 1824

Proper shipping name : SODIUM HYDROXIDE SOLUTION

Class : 8

Packing group : II

Labels : 8

Environmentally hazardous : no

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IATA-DGR

UN/ID No.	: UN 1824
Proper shipping name	: SODIUM HYDROXIDE SOLUTION
Class	: 8
Packing group	: II
Labels	: Corrosive
Packing instruction (cargo aircraft)	: 855
Packing instruction (passenger aircraft)	: 851

IMDG-Code

UN number	: UN 1824
Proper shipping name	: SODIUM HYDROXIDE SOLUTION
Class	: 8
Packing group	: II
Labels	: 8
EmS Code	: F-A, S-B
Marine pollutant	: no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation**NZS 5433**

UN number	: UN 1824
Proper shipping name	: SODIUM HYDROXIDE SOLUTION
Class	: 8
Packing group	: II
Labels	: 8
Hazchem Code	: 2R
Marine pollutant	: no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

Section 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****HSNO Approval Number**

not allocated

Tolerable Exposure Limits (TEL)

Not applicable

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Environmental Exposure Limits (EEL)

Not applicable

Section 16: Other information

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Further informationOther information : For multi-pack systems observe material safety data sheets of all components.
Restricted to professional users.

Date format : dd.mm.yyyy

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

NZ OEL : New Zealand. Workplace Exposure Standards for Atmospheric Contaminants

ACGIH / C : Ceiling limit

NZ OEL / WES-Ceiling : Workplace Exposure Standard - Ceiling

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recom-

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mendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

NZ / EN