

# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
GHS

Effective date: 05/12/2015

Revision: 05/12/2015

TERGAZYME

## 1 Identification of the Substance/mixture and of the Company/Undertaking

### 1.1 Product identifier

Trade name: **TERGAZYME**

Application of the substance / the preparation: Cleaning material/ Detergent

### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

No additional information available

### 1.3 Details of the supplier of the Safety Data Sheet

**Manufacturer/Supplier:**

Alconox, Inc.  
30 Glenn St., Suite 309  
White Plains, NY 10603  
Phone: 914-948-4040



Further information obtainable from: Product Safety Department

### 1.4 Emergency telephone number:

ChemTel Inc.: (800)255-3924, +1 (813)248-0585

## 2 Hazards Identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:



GHS07

Eye Irrit. 2A; H319: Causes serious eye irritation.

### 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

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms:



GHS07

Signal word: Warning

#### Hazard-determining components of labelling:

Sodium tripolyphosphate

#### Hazard statements:

H319: Causes serious eye irritation.

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**Precautionary statements:**

P264: Wash thoroughly after handling.

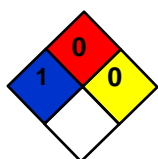
P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing for 15-20 minutes.

P337+P313: If eye irritation persists get medical advice/attention.

**Other Hazard description:****WHMIS-classification and symbols:**

D2B - Toxic material causing other toxic effects

**NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 0

Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

HEALTH	1	
FIRE	0	
REACTIVITY	0	

Health = 1

Fire = 0

Reactivity = 0

**2.3 Other hazards****Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

**3 Composition/Information on Ingredients**
**3.2 Chemical characterization:** Mixture**Description:** Hazardous ingredients of mixture listed below.

Identifying Nos.	Description	Wt. %
CAS: 497-19-8 EINECS: 205-633-8	Sodium carbonate	7-12%
CAS: 7758-29-4 EINECS: 231-838-7	Sodium tripolyphosphate	25-35%

**Additional information:** For the wording of the listed risk phrases refer to section 16.
**4 First Aid Measures**
**4.1 Description of first aid measures****General information:**

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and SDS to health professional with contaminated individual.

**After inhalation:**

If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

**After skin contact:**

Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

**After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for 15 - 20 minutes under running water. If symptoms persist, consult a doctor.

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### After swallowing:

If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

### 4.2 Most important symptoms and effects, both acute and delayed:

No additional information available.

### 4.3 Indication of any immediate medical attention and special treatment needed:

No additional information available.

## 5 Firefighting Measures

### 5.1 Extinguishing media:

#### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### 5.2 Special hazards arising from the substance or mixture:

No additional information available.

### 5.3 Advice for firefighters:

#### Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

## 6 Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Product forms slippery surface when combined with water.

Avoid formation of dust.

### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

### 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Clean the affected area carefully; suitable cleaners are: Warm water

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

### 6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

## 7 Handling and Storage

### 7.1 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Prevent formation of dust.

#### Information about fire - and explosion protection:

No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities:

#### Storage:

**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Store away from foodstuffs.

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**Further information about storage conditions:**

Keep container tightly sealed.  
Protect from humidity and water.

Store in dry conditions.

**7.3 Specific end use(s):** No additional information available.

**8 Exposure Controls/Personal Protection**
**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

Chemical	CAS#	ACGIH/TWA	OSHA/TWA
Sodium carbonate	497-19-8	10mg/m <sup>3</sup> dust	10mg/m <sup>3</sup> dust
Sodium bicarbonate	144-55-8	10mg/m <sup>3</sup> dust	15mg/m <sup>3</sup> dust
Sodium C1016			
Alkylbenzene sulfonate	68081-81-2	10mg/m <sup>3</sup> dust	15mg/m <sup>3</sup> dust
Sodium tripolyphosphate	7758-29-4	10mg/m <sup>3</sup> dust	15mg/m <sup>3</sup> dust
Sodium lauryl sulfate	151-21-3	10mg/m <sup>3</sup> dust	15mg/m <sup>3</sup> dust
Tetrasodium EDTA	64-02-8	10mg/m <sup>3</sup> dust	15mg/m <sup>3</sup> dust

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls:****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 under normal conditions of use.  
Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation.

**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product. Selection of the glove material should be based on the penetration time, rates of diffusion and the degradation of the glove material.

**Material of gloves:**

The selection of a suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

**Penetration time of glove material:**

The exact break through time has to be determined by the manufacturer of the protective gloves. **DO NOT** exceed the breakthrough time set by the Manufacturer.

**For long term contact, gloves made of the following materials are considered suitable:**

Butyl rubber, BR  
Nitrile rubber, NBR  
Natural rubber (NR)  
Neoprene gloves

**Eye protection:**

Safety glasses

**Body protection:** Protective work clothing

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### 9 Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties:

##### General Information:

##### Appearance:

Form:	Powder
Color:	White
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	NA for Powder

##### Change in condition:

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Not determined.

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

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

##### Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure at 20°C: Not determined.

Density: Not determined.

Relative density: Not determined.

Vapor density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with water: Fully miscible.

Segregation coefficient (n-octanol/water): Not determined.

##### Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

##### Solvent content:

Organic solvents: 0.0 %

Solids content: 100 %

9.2 Other information: No additional information available.

### 10 Stability and Reactivity

#### 10.1 Reactivity:

#### 10.2 Chemical stability:

##### Thermal decomposition / conditions to be avoided:

- No decomposition if used according to specifications.
- Can decompose slowly with localized heating above 150°C.

#### 10.3 Possibility of hazardous reactions:

- Contact with acids releases irritant gases.
- Reacts with acids.

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### 10.4 Conditions to avoid:

No additional information available.

### 10.5 Incompatible materials:

No additional information available.

### 10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Sulphur dioxide

Nitrogen oxides

Sulphur trioxide (SO<sub>3</sub>) or SO<sub>3</sub>-mist

Phosphorus compounds

## 11 Toxicological Information

### 11.1 Information on toxicological effects:

**Toxicity data:** Toxicity data is available for mixture:

Tergazyme LD<sub>50</sub> > 5,000 mg/kg oral (rat)

#### Primary irritant effect:

**On the skin:** Irritating to skin and mucous membranes.

**On the eye:** Irritating to eye.

**Sensitization:** Skin sensitizing effects are possible.

#### 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: Irritant.

## 12 Ecological Information

### 12.1 Toxicity:

**Aquatic toxicity:** No additional information available.

**12.2 Persistence and degradability:** No additional information available.

**12.3 Bioaccumulative potential:** Not worth-mentioning accumulating in organisms.

**12.4 Mobility in soil:** No additional information available.

#### Ecotoxicological effects:

**Remark:** Harmful to fish

#### 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.

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.

**12.5 Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects:** No additional information available.

## 13 Disposal Considerations

### 13.1 Waste treatment methods:

#### Recommendation:

Smaller quantities can be disposed of with household waste.

Can be disposed of with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

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The surfactant used in this product complies 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.

**Uncleaned packaging:****Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Water, together with cleansing agents, if necessary.

### 14 Transport Information

**14.1 UN-Number:**

DOT, ADR, ADN, IMDG, IATA: Not Regulated

**14.2 UN proper shipping name:**

DOT, ADR, IMDG, IATA: Not Regulated

**14.3 Transport hazard class(es):**

DOT, ADR, IMDG, IATA:

Class: Not Regulated

Label: -

**14.4 Packing group:**

DOT, ADR, IMDG, IATA: Not Regulated

**14.5 Environmental hazards:**

Marine pollutant: No

**14.6 Special precautions for user:**

Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

UN "Model Regulation": Not Regulated

### 15 Regulatory Information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****United States (USA):****SARA:****Section 355 (extremely hazardous substances):** None of the ingredient is listed.**Section 313 (Specific toxic chemical listings):** None of the ingredient is listed.**TSCA (Toxic Substances Control Act):** All ingredients are listed.**Proposition 65 (California):****Chemicals known to cause cancer:** None of the ingredient is listed.**Chemicals known to cause reproductive toxicity for females:** None of the ingredient is listed.**Chemicals known to cause reproductive toxicity for males:** None of the ingredient is listed.**Chemicals known to cause developmental toxicity:** None of the ingredient is listed.**Carcinogenic Categories:****EPA (Environmental Protection Agency):** None of the ingredient is listed.**TLV (Threshold Limit Value established by ACGIH):** None of the ingredient is listed.**NIOSH-Ca (National Institute for Occupational Safety and Health):** None of the ingredient is listed.**OSHA-Ca (Occupational Safety & Health Administration):** None of the ingredient is listed.

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**TERGAZYME****Canadá:****Canadian Domestic Substances List (DSL):** All ingredients are listed.**Canadian Ingredient Disclosure list (limit 0.1%):** None of the ingredient is listed.**Canadian Ingredient Disclosure list (limit 1%):**

497-19-8 Sodium carbonate

7758-29-4 Sodium tripolyphosphate

**15.2 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:**

H319: Causes serious eye irritation.

**Abbreviations and Acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

IMDG: International Maritime Code for Dangerous Goods.

DOT: US Department of Transportation.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

ACGIH: American Conference of Governmental Industrial Hygienists.

NFPA: National Fire Protection Association (USA).

HMIS: Hazardous Materials Identification System (USA).

WHMIS: Workplace Hazardous Materials Information System (Canada).

VOC: Volatile Organic Compounds (USA, EU).

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

**SDS Created by:**

Global Safety Management, Inc.

10006 Cross Creek Blvd

Tampa, FL, 33647

Tel: 1-844-GSM-INFO (1-844-476-4636)

Website: www.GSMSDS.com