

# TERGAZYME MSDS

## Ladd Catalog Number: 13041

### Section 1 : MANUFACTURER INFORMATION

**Distributor:** Ladd Research  
 83 Holly Court  
 Williston, VT 05495  
 Tel: (802) 658-4961

**Manufacturer emergency phone number:** 800-255-3924.  
 813-248-0585 (outside of the United States).

**Manufacturer:** Alconox, Inc.  
 30 Glenn St.  
 Suite 309  
 White Plains, NY 10603.

**Supplier MSDS date:** 9/2009

**D.O.T. Classification:** Not regulated.

### Section 2 : HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	T.L.V.	LD/50	LC/50
25155-30-0	10-30	SODIUM DODECYLBENZENESULFONATE	NOT AVAILABLE	438 MG/KG RAT ORAL  1330 MG/KG MOUSE ORAL	NOT AVAILABLE
497-19-8	7-13	SODIUM CARBONATE	NOT AVAILABLE	4090 MG/KG RAT ORAL  6600 MG/KG MOUSE ORAL	2300 MG/M3/2H RAT INHALATION  1200 MG/M3/2H MOUSE INHALATION
7758-29-4	30-40	SODIUM PHOSPHATE	NOT AVAILABLE	3120 MG/KG RAT ORAL  3100 MG/KG MOUSE ORAL  >4640 MG/KG RABBIT DERMAL	NOT AVAILABLE

### Section 2A : ADDITIONAL INGREDIENT INFORMATION

**Note:** (supplier).  
 CAS# 497-19-8: LD50 4020 mg/kg - rat oral.  
 CAS# 7758-29-4: LD50 3100 mg/kg - rat oral.

### Section 3 : PHYSICAL / CHEMICAL CHARACTERISTICS

<b>Physical state:</b>	Solid
<b>Appearance &amp; odor:</b>	White granular powder. Brown specks.
<b>Odor threshold (ppm):</b>	Not available.
<b>Vapour pressure (mmHg):</b>	Not applicable.
<b>Vapour density (air= 1):</b>	Not applicable.
<b>By weight:</b>	Not available.
<b>Evaporation rate (butyl acetate = 1):</b>	Not applicable.
<b>Boiling point (°C):</b>	Not applicable.
<b>Freezing point (°C):</b>	Not applicable.
<b>pH:</b>	(1% aqueous solution). 9.5
<b>Specific gravity @ 20 °C:</b>	(water = 1). 0.85-1.10
<b>Solubility in water (%):</b>	> 10% w/w
<b>Coefficient of water\oil dist.:</b>	Not available.
<b>VOC:</b>	None

### Section 4 : FIRE AND EXPLOSION HAZARD DATA

<b>Flammability:</b>	Not flammable.
<b>Conditions of flammability:</b>	Surrounding fire.
<b>Extinguishing media:</b>	Carbon dioxide, dry chemical, foam. Water Water fog.
<b>Special procedures:</b>	Self-contained breathing apparatus required. Firefighters should wear the usual protective gear.
<b>Auto-ignition temperature:</b>	Not available.
<b>Flash point (°C), method:</b>	None
<b>Lower flammability limit (% vol):</b>	Not applicable.
<b>Upper flammability limit (% vol):</b>	Not applicable.
	Not available.
<b>Sensitivity to mechanical impact:</b>	Not applicable.
<b>Hazardous combustion products:</b>	Oxides of carbon (COx). Hydrocarbons.
<b>Rate of burning:</b>	Not applicable.
<b>Explosive power:</b>	None

## Section 5 : REACTIVITY DATA

- Chemical stability:** Product is stable.
- Conditions of instability:** None known.
- Hazardous polymerization:** Will not occur.
- Incompatible substances:** Strong acids.  
Strong oxidizing agents.
- Hazardous decomposition products:** See hazardous combustion products.

## Section 6 : HEALTH HAZARD DATA

- Route of entry:** Skin contact, eye contact, inhalation and ingestion.
- Effects of Acute Exposure**
- Eye contact:** May cause irritation.
- Skin contact:** May cause irritation on prolonged or repeated contact.
- Inhalation:** Dust may irritate the respiratory tract.
- Ingestion:** May cause vomiting.  
May cause stomach pains and diarrhea.  
May cause gastric distress.
- Effects of chronic exposure:** Contains an ingredient which may be corrosive.
- LD50 of product, species & route:** > 5000 mg/kg rat oral.
- LC50 of product, species & route:** Not available for mixture, see the ingredients section.
- Exposure limit of material:** Not available for mixture, see the ingredients section.
- Sensitization to product:** Not available.
- Carcinogenic effects:** Not listed as a carcinogen.
- Reproductive effects:** Not available.
- Teratogenicity:** Not available.
- Mutagenicity:** Not available.
- Synergistic materials:** Not available.
- Medical conditions aggravated by exposure:** Not available.
- First Aid**
- Skin contact:** Remove contaminated clothing.  
Wash thoroughly with soap and water.  
Seek medical attention if irritation persists.
- Eye contact:** Check for and remove contact lenses.  
Flush eyes with clear, running water for 15 minutes while holding eyelids open. If irritation persists, consult a physician.
- Inhalation:** Remove victim to fresh air.  
If irritation persists, seek medical attention.
- Ingestion:** Do not induce vomiting, seek medical attention.  
Dilute with two glasses of water.  
Never give anything by mouth to an unconscious person.

## Section 7 : PRECAUTIONS FOR SAFE HANDLING AND USE

**Leak/Spill:** Contain the spill.  
Prevent entry into drains, sewers, and other waterways.  
Wear appropriate protective equipment.  
Notify the appropriate authorities as required.  
Sweep or shovel into containers for reuse.

**Waste disposal:** In accordance with local and federal regulations.

**Handling procedures and equipment:** Protect against physical damage.  
Wear personal protective equipment appropriate to task.  
Avoid breathing dust.  
Wash thoroughly after handling.  
Keep out of reach of children.  
Avoid contact with skin, eyes and clothing.  
Launder contaminated clothing prior to reuse.

**Storage requirements:** Keep containers closed when not in use.  
Store in a cool and dry place.  
Store away from strong acids or oxidizers.

## Section 8 : CONTROL MEASURES

### Precautionary Measures

**Gloves/Type:**



Neoprene or rubber gloves.

**Respiratory/Type:**



If exposure limit is exceeded, wear a NIOSH approved respirator.

**Eye/Type:**



Chemical safety goggles with side-shields.

**Footwear/Type:** Safety shoes per local regulations.

**Clothing/Type:** As required to prevent skin contact.

**Other/Type:** Eye wash facility should be in close proximity.  
Emergency shower should be in close proximity.

**Ventilation requirements:** Local exhaust at points of emission.