

# Material Safety Data Sheet

Material Name: Alconox®

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

### Manufacturer Information

Alconox Inc.  
30 Glenn Street  
Suite 309  
White Plains, NY 10603

Phone: 813-248-0585

Emergency # 800-255-3924

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

May cause eye, skin, respiratory and gastrointestinal irritation.

### Potential Health Effects: Eyes

May cause irritation.

### Potential Health Effects: Skin

Prolonged contact may cause irritation.

### Potential Health Effects: Ingestion

May cause vomiting and diarrhea, abdominal pain, and gastric distress.

### Potential Health Effects: Inhalation

Airborne particles may cause irritation.

### HMIS Ratings: Health: 1 Fire: 0 HMIS Reactivity 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
25155-30-0	Sodium dodecylbenzenesulfonate	10-30
7722-88-5	Tetrasodium pyrophosphate	10-30
7758-29-4	Pentasodium triphosphate	10-30
497-19-8	Sodium carbonate	7-13

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Check for and remove contact lenses. Flush eyes with clear, running water while holding eyelids open: if irritation persists, consult a physician.

### First Aid: Skin

Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical attention if irritation persists.

### First Aid: Ingestion

Ingestion is an unlikely route of exposure. Dilute with two glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting, seek immediate medical attention.

### First Aid: Inhalation

Remove victim to fresh air. Get immediate medical attention.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.  
Not flammable.

### Hazardous Combustion Products

Oxides of carbon (COx). Hydrocarbons.

### Extinguishing Media

Carbon dioxide, dry chemical, foam. Water. Water fog.

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## Fire Fighting Equipment/Instructions

Self-contained breathing apparatus required. Firefighters should wear the usual protective gear.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### \*\*\* Section 6 - Accidental Release Measures \*\*\*

#### Personal Precautions

If conditions warrant, clean up personnel should wear approved respiratory protection, gloves, and goggles to prevent irritation from contact and/or inhalation.

#### Containment Procedures

No special measures needed.

#### Environmental Precautions

None necessary.

#### Clean-Up Procedures

Contain the spill. Recover uncontaminated material for re-use. Wear appropriate protective equipment. Contaminated material should be swept or shoveled into appropriate waste container for disposal.

#### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

#### Special Procedures

None

### \*\*\* Section 7 - Handling and Storage \*\*\*

#### Handling Procedures

Protect against physical damage. 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 Procedures

Keep containers closed when not in use. Store away from strong acids or oxidizers. Store in a cool, dry and well ventilated area.

### \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

#### A: Component Exposure Limits

Tetrasodium pyrophosphate (7722-88-5)

OSHA: 5 mg/m3 TWA

NIOSH: 5 mg/m3 TWA

#### Engineering Controls

Local exhaust at points of emission.

#### PERSONAL PROTECTIVE EQUIPMENT

##### Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields or goggles.

##### Personal Protective Equipment: Skin

Wear protective gloves and apron

##### Personal Protective Equipment: Respiratory

If exposure limit is exceeded, wear a NIOSH approved respirator. Based on test data, exposure limits should not be exceeded under normal use conditions when using Alconox detergent.

##### Personal Protective Equipment: General

None

### \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

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**Appearance:** White granular powder  
**Physical State:** Solid  
**Vapor Pressure:** Not Applicable  
**Boiling Point:** Not Applicable  
**Solubility (H2O):** 100%  
**Evaporation Rate:** Not Determined  
**Octanol/H2O Coeff.:** Not Determined  
**Flash Point Method:** Not Applicable

**Lower Flammability Limit (LFL):** Not Applicable  
**Auto Ignition:** Not Available

**Odor:** None  
**pH:** 9.5 (1% aqueous solution)  
**Vapor Density:** Not Applicable  
**Melting Point:** Not Determined  
**Specific Gravity:** 0.85-1.10  
**VOC:** None  
**Flash Point:** None  
**Upper Flammability Limit (UFL):** Not Applicable  
**Burning Rate:** Not Applicable

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Chemical Stability: Conditions to Avoid

Dust generation

### Incompatibility

Strong acids and oxidizers

### Hazardous Decomposition

Oxides of carbon (COx). Hydrocabons.

### Possibility of Hazardous Reactions

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Dose Effects

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - LD50/LC50

##### Sodium dodecylbenzenesulfonate (25155-30-0)

Oral LD50 Rat: 438 mg/kg

##### Tetrasodium pyrophosphate (7722-88-5)

Oral LD50 Rat: >2000 mg/kg

##### Pentasodium triphosphate (7758-29-4)

Oral LD50 Rat: 3100 mg/kg; Dermal LD50 Rabbit:>7940 mg/kg

##### Sodium carbonate (497-19-8)

Oral LD50 Rat: 4090 mg/kg; Dermal LD50 Mouse:2210 mg/kg

### Carcinogenicity

#### A: General Product Information

No information available for the product.

#### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

##### Sodium dodecylbenzenesulfonate (25155-30-0)

###### Test & Species

96 Hr LC50 Oncorhynchus mykiss 10.8 mg/L [static]

###### Conditions

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Material Name: Alconox®

## Pentasodium triphosphate (7758-29-4)

### Test & Species

48 Hr LC50 Leuciscus idus 1650 mg/L

### Conditions

## Sodium carbonate (497-19-8)

### Test & Species

96 Hr LC50 Lepomis macrochirus 300 mg/L [static]  
96 Hr LC50 Pimephales promelas <310-1220 mg/L  
[static]  
120 Hr EC50 Nitzschia 242 mg/L

### Conditions

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulations.  
See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### US DOT Information

Shipping Name: Not Regulated

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

#### Sodium dodecylbenzenesulfonate (25155-30-0)

CERCLA: 1000 lb final RQ; 454 kg final RQ

#### Pentasodium triphosphate (7758-29-4)

CERCLA: 5000 lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final RQ (listed under Sodium phosphate, tribasic)

### State Regulations

#### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Sodium dodecylbenzenesulfonate	25155-30-0	Yes	Yes	No	Yes	Yes	No
Tetrasodium pyrophosphate	7722-88-5	Yes	Yes	Yes	Yes	Yes	Yes
Pentasodium triphosphate	7758-29-4	Yes	Yes	No	No	Yes	No

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## Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Sodium dodecylbenzenesulfonate	25155-30-0	1 %
Tetrasodium pyrophosphate	7722-88-5	1 %
Sodium carbonate	497-19-8	1 %

## Additional Regulatory Information

### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Sodium dodecylbenzenesulfonate	25155-30-0	Yes	DSL	EINECS
Tetrasodium pyrophosphate	7722-88-5	Yes	DSL	EINECS
Pentasodium triphosphate	7758-29-4	Yes	DSL	EINECS
Sodium carbonate	497-19-8	Yes	DSL	EINECS

### \*\*\* Section 16 - Other Information \*\*\*

#### Other Information

This material safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

#### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.