

MSDS

Name: Chloramine T-Sodium Salt Material Safety Data Sheet

Synonym: Sodium N-chloro-4-toluene sulfonamide; chloramine-t

CAS: 127-65-1

Section 1 - Chemical Product MSDS Name: Chloramine T-Sodium Salt Material Safety Data Sheet

Synonym: Sodium N-chloro-4-toluene sulfonamide; chloramine-t

Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS# Chemical Name content EINECS#

127-65-1 Chloramine-t 100 % 204-854-7

Hazard Symbols: XN

Risk Phrases: 36/37/38 42

Section 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: white.

Warning! May cause skin irritation. May cause allergic respiratory reaction. Air sensitive. The toxicological properties of this material have not been fully investigated. May cause severe eye irritation and possible injury.

May cause severe respiratory and digestive tract irritation with possible burns.

Target Organs: None.

Potential Health Effects

Eye:

Causes eye irritation. May result in corneal injury.

Skin:

Causes skin irritation.

Ingestion:

May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns.

Inhalation:

May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema.

Chronic:

Repeated exposure may cause allergic respiratory reaction (asthma).

Section 4 - FIRST AID MEASURES

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin:

Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water.

Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Get medical aid immediately. Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

Treat symptomatically and

Section 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Section 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

Section 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Do not get on skin or in eyes. Avoid ingestion and inhalation.

Storage:

Store in a cool, dry place. Keep container closed when not in use.

Section 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits +-----+-----+-----+-----+ | Chemical Name | ACGIH |
NIOSH |OSHA - Final PELs| |-----|-----|-----|-----| | Chloramine-t |none
listed |none listed |none listed | +-----+-----+-----+-----+ OSHA Vacated
PELs: Chloramine-t: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Appearance: white

Odor: None reported.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 167-170 C (decomposes)

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

NFPA Rating: Not published.

Explosion Limits, Lower: Not available.

Upper: Not available.

Decomposition Temperature: Not available.

Solubility: Soluble in water.

Specific Gravity/Density: Not available.

Molecular Formula: C7H7ClNO2SNa

Molecular Weight: 227.5573

Section 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, exposure to air, acids.

Incompatibilities with Other Materials:

Strong oxidizing agents, air, and acids. May decompose violently if heated above 130 C. Explodes when heated to 175 C. Mixtures with calcium carbonate + isonitriles explode when warmed.

Hazardous Decomposition Products:

Hydrogen chloride, chlorine, nitrogen oxides, carbon monoxide, oxides of sulfur, irritating and toxic fumes and gases, carbon dioxide, toxic fumes of sodium oxide.

Hazardous Polymerization: Has not been reported.

Section 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 127-65-1: XT5616800 LD50/LC50:

Not available.

Carcinogenicity:

Chloramine-t - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

Section 12 - ECOLOGICAL INFORMATION

Section 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

US EPA guidelines for the classification determination are listed in 40 CFR Part 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Section 14 - TRANSPORT INFORMATION

CDG/CPL

Not classified as hazardous for transport.

Canadian TDG

No information available.