



Roberts Chemical Co., Inc.  
330-B Victor Rd.  
Attleboro, MA 02703  
TEL: 508-409-0220  
FAX: 508-222-2752  
www.robertschem.com  
Superior Products & Service

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Common Name:** SONIC BRITE 4  
**Chemical Name:** AMINE MIXTURE  
**Chemical Family:** AMINE  
**Chemical Formula:** PROPRIETARY  
**Preparation Date:** 9/23/2015  
**Last Revision Date:** 9/23/2015

### Manufacturer's Name & Address

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### Emergency Telephone Number:

CHEMTREC 24-HourToll Free (800) 424-9300

## SECTION 2: HAZARD(S) IDENTIFICATION

HAZARD RATING	NFPA			
	HEALTH	FLAMMABILITY	REACTIVITY	CONTACT
4 = EXTREME				
3 = SEVERE	2	0	0	0
2 = MODERATE				
1 = SLIGHT				
0 = UNKNOWN				

### GHS Label elements, including precautionary statements



Pictogram:

Signal Word: **DANGER**

#### Hazard Statement(s)

H314 - Causes severe skin burns and eye damage

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

#### Precautionary Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

P363 - Wash contaminated clothing before reuse.

P501 Dispose of contents/ container to an approved waste disposal plant.



### SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

PRODUCT	CAS#	% BY WEIGHT
TRIETHYLENETETRAMINE	112-24-3	< 20%
MONOETHANOLAMINE	141-43-5	< 10%

### SECTION 4: FIRST-AID MEASURES

**Contact:** Immediately flush eyes with cool water for at least 15 minutes while keeping eyelids open. Do not use an eye ointment. Seek medical attention.

**Skin Contact:** Remove contaminated clothing. Shower with running water and non-abrasive soap, gently and thoroughly wash the contaminated skin. Be particularly careful to clean folds, crevices, creases and groin.

If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**Inhalation:** Allow the victim to rest in a well-ventilated area. Seek immediate medical attention. Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband.

If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.

**WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

**Ingestion:** Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

### SECTION 5: FIRE-FIGHTING MEASURES

**FLASH POINT (METHOD USED):** not flammable

**FLAMMABLE LIMITS:** n/a

**FIRE EXTINGUISHING MEDIA:** water, dry chemical, co2, alcohol foam.

**SPECIAL FIREFIGHTING PROCEDURES:** use self-contained or air supplied breathing apparatus

**UNUSUAL FIRE & EXPLOSION HAZARDS:** none

**IGNITION TEMPERATURE:** n/a

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Neutralize to an acceptable pH with dilute acid. Allow sludge to settle.

**Comply with federal, state and local regulations on reporting releases and before discharging.**

### SECTION 7: HANDLING AND STORAGE

Keep from freezing. Store away from acids and combustibles.

**OTHER PRECAUTIONS:** DO NOT breathe fumes.

**PRECAUTIONARY LABEL:** CORROSIVE

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** Use in a well-ventilated area. No special equipment is required.

**Ventilation - Local Exhaust:** Adequate room ventilation only is required.

**Ventilation - Special:** None.

**Protective Gloves:** Rubber, neoprene or latex gloves will mitigate potential skin irritation.

**Eye Protection:** Use safety glasses with side shields, or safety goggles, if airborne mist is expected.



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**Other Protective Equipment:** Arm sleeves and derma-guard type barrier cream are useful to protect against skin irritation.

**Work Practices:** Skin that becomes contaminated with this substance should be immediately washed or showered with soap.

**Hygienic Practices:** Eating, drinking or smoking should not be permitted in areas where any chemical substances are handled, processed, or stored. Employees who handle these materials should wash their hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Appearance:** Yellowish liquid

**Odor:** Light odor

**Color:** Yellow.

**pH:** 12

**Vapor Pressure:** not available

**Vapor Density:** not available

**Volatility:** not available

**Specific Gravity:** 0.900 – 1.500

**Molecular Weight:** not available

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions To Avoid:** Contact Of Concentrate With Acids.

**Incompatibility (Materials To Avoid):** Strong Acids.

**Hazardous Combustion Or Decomposition Products:** None

**Hazardous Polymerization:** Will Not Occur

## SECTION 11: TOXICOLOGICAL INFORMATION

**Triethylenetetramine**

**Routes of Entry:** Eye contact. Inhalation.

Ingestion.

**Toxicity to Animals:**

Acute oral toxicity (LD50): 2500 mg/kg [Rat].

Acute dermal toxicity (LD50): 805 mg/kg [Rabbit].

**Chronic Effects on Humans:** The substance is toxic to kidneys, the nervous system, liver, mucous membranes.

**Other Toxic Effects on Humans:**

Very hazardous in case of ingestion.

Hazardous in case of skin contact (irritant), of inhalation.

**Monoethanolamine**

**Primary irritant effect:**

**on the skin:** Caustic effect on skin and mucous membranes.

**on the eye:** Strong caustic effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

## SECTION 12: ECOLOGICAL INFORMATION

Water hazard class 1 slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

**FISH TOXICITY:** This material has exhibited moderate toxicity to aquatic organisms.

**BIODEGRADATION:** This material is inorganic and not subject to biodegradation.



**PERSISTENCE:** This material is alkaline and may raise the pH of surface waters with low buffering capacity.

**BIOCONCENTRATION:** This material is believed not to bioaccumulate.

**OTHER ECOLOGICAL INFORMATION:** This material has exhibited slight toxicity to terrestrial organisms.

### SECTION 13: DISPOSAL CONSIDERATIONS

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralized. Neutralize to an acceptable pH with dilute acid. Allow sludge to settle.

**Comply with federal, state and local regulations on reporting releases and before discharging.**

### SECTION 14: TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** UN1719, CAUSTIC ALKALI LIQUIDS, N.O.S.

(TRIETHYLENETETRAMINE, MONOETHANOLAMINE), 8, PGII

**HAZARDOUS CLASSIFICATION:** 8

**IDENTIFICATION NUMBER:** UN1719

**REPORTABLE QUANTITY:** NONE

**ADDITIONAL LABELING:** CORROSIVE

### SECTION 15: REGULATORY INFORMATION

TRIETHYLENETETRAMINE	MONOETHANOLAMINE
<b>Federal Regulations</b> <b>Registration status:</b> TSCA, US released / listed <b>OSHA hazard category:</b> No data available. <b>SARA hazard categories (EPCRA 311/312):</b> Not hazardous <b>State regulations</b> <b>CAS Number /Chemical name/ State RTK</b> 112-24-3 /Triethylenetetramine / MA, NJ, PA	<b>Federal Regulations</b> <b>Registration status:</b> TSCA, US released / listed <b>OSHA hazard category:</b> No data available. <b>SARA hazard categories (EPCRA 311/312):</b> Not hazardous <b>State regulations</b> <b>CAS Number /Chemical name/ State RTK</b> 141-43-5 / Monoethanolamine / MA, NJ, PA

### SECTION 16: OTHER INFORMATION

All information, recommendations and suggestions appearing herein concerning this product are based upon data believed to be reliable; however, it is the user's responsibility to determine the safe handling and suitability for the use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by **Roberts Chemical** as to the effects of such use, the results obtained, or the safety and toxicity of the product, nor does **Roberts Chemical** per se assume any liability arising out of use, by others, of the product referred to herein. Nor is the information herein to be construed as absolutely complete since more information may be desirable or necessary when particular or exceptional conditions or circumstances exist, or because of applicable laws or government regulations.