



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

Roberts Chemical Co., Inc.
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Attleboro, MA 02703
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FAX: 508-222-2752
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Emergency Telephone Number:

CHEMTREC 24-HourToll Free (800) 424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

HAZARD RATING	NFPA			
4 = EXTREME	HEALTH	FLAMMABILITY	REACTIVITY	CONTACT
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.



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.

Vapor Pressure: not available

Appearance: Yellowish liquid

Vapor Density: not available

Odor: Light odor

Volatility: not available

Color: Yellow.

Specific Gravity: 0.900 – 1.500

pH: 12

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

Monoethanolamine

Routes of Entry: Eye contact. Inhalation.

Primary irritant effect:

Ingestion.

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

Toxicity to Animals:

on the eye: Strong caustic effect.

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

Sensitization: No sensitizing effects known.

Acute dermal toxicity (LD50): 805 mg/kg

Additional toxicological information:

[Rabbit].

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

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.

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.



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Safety Data Sheet

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

BIOCONCENTRATION: This material is believed not to bioaccumulative.

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