

Safety Data Sheet (SDS) 3/10/2025: Reviewed file, more current MSDS/SDS not available. CAS

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Triethanolamine

Signal Word  
**WARNING**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-10451

Pictograms

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2B). Causes skin and eye irritation (H315+H320).



## SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Triethanolamine	102-71-6	N(CH <sub>2</sub> CH <sub>2</sub> OH) <sub>3</sub>	149.19	
Synonyms: 2,2',2'-Nitrilo-triethanol; Trihydroxytriethylamine; TEAT				

## SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists eyes:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313).

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

## SECTION 5 — FIRE FIGHTING MEASURES

Class IIIB combustible liquid.

Flash point: 179 °C

NFPA Code

H-2

When heated to decomposition, may emit toxic fumes.  
In case of fire: Use a tri-class dry chemical fire extinguisher.

F-1  
R-1

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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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Remove all ignition sources and ventilate area. Contain spill with sand or other inert absorbent material; deposit in sealed bag or container. See Sections 8 and 13 for further information.

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## SECTION 7 — HANDLING AND STORAGE

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Flinn Suggested Chemical Storage Pattern: Organic #2. Store with alcohols, glycols, amines and amides.  
Material may freeze below 60 F. Turns brown on exposure to air and light. Keep container tightly closed. Store in a cool dry place within a Flinn Chem-Saf™ bag.

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).  
Exposure guidelines: TLV 5 mg/m<sup>3</sup> (ACGIH)

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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Colorless viscous liquid. Due to low melting point it may be solid. Mild ammonia-like odor.	Boiling point: 335 °C
Soluble: Chloroform. Miscible with water and alcohol.	Freezing point: ~20 °C
	Specific gravity: 1.126
	Vapor density: 5.14 (heavier than air)

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## SECTION 10 — STABILITY AND REACTIVITY

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Avoid contact with strong oxidizers, high temperatures, open flames and other sources of ignition.  
Shelf life: Fair, air and light sensitive. See Section 7 for further information.

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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Acute effects: Skin and eye irritant.	ORL-RAT LD <sub>50</sub> : 4.92 mL/kg
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : N.A.
Target organs: N.A.	SKN-RBT LD <sub>50</sub> : greater than 20 mL/kg

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## SECTION 12 — ECOLOGICAL INFORMATION

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Data not yet available.

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## SECTION 13 — DISPOSAL CONSIDERATIONS

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Please review all federal, state and local regulations that may apply before proceeding.  
Flinn Suggested Disposal Method #18b is one option.

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## SECTION 14 — TRANSPORT INFORMATION

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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## SECTION 15 — REGULATORY INFORMATION

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TSCA-listed, EINECS-listed (203-049-8).

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## SECTION 16 — OTHER INFORMATION

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EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

**Revision Date:** March 21, 2014

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