

# Triethanolamine

## Specification Sheet

**Description:** Organic compound composed of a tri-alcohol & an amine. It is a weak base (pH 10-11), widely used to elevate the pH in cosmetic formulas. Chemical name: 2,2',2"-nitrilotriethanol. Colorless to light yellow, viscous liquid, or solid depending upon storage conditions. Slight ammonia odor. Soluble in water & oils.

**CAS:** 102-71-6

**INCI Name:** Triethanolamine

**Benefits:**

- pH adjuster (increases pH)
- Stabilizes emulsions, fragrances and preservatives
- Acts as foam stabilizer as it has detergent properties and stabilizes other surfactants
- Improves efficacy of preservatives by stabilizing the pH value

**Use:** Typical use level 0.1-1% depending on product type & desired pH value. Note: Crystallizes upon room temperature. For external use only.

**Applications:** For adjusting pH values & stabilizing all kinds of personal care & makeup products.

**Country of Origin:** USA

**Raw material source:** Ammonia, ethylene oxide

**Manufacture:** Triethanolamine is produced synthetically from the reaction of ethylene oxide with aqueous ammonia. Byproducts are ethanolamine and diethanolamine.

**Animal Testing:** Not animal tested

**GMO:** GMO-free (does not contain plant-derived components)

**Vegan:** Does not contain animal-derived components