

Common Name: **TRIETHANOLAMINE DODECYLBENZENE-SULFONATE**

Synonyms: Dodecylbenzenesulfonic Acid, Triethanolamine Salt

CAS No: 27323-41-7

 Molecular Formula: $C_{18}H_{20}O_3S \cdot C_6H_{15}NO_3$

RTK Substance No: 1905

Description: White colored, waxy solid that is often in a liquid solution

HAZARD DATA

| Hazard Rating | Firefighting | Reactivity |
|---|---|---|
| 2 - Health 1 - Fire 0 - Reactivity DOT#: None ERG Guide #: 171 Hazard Class: None | Extinguish fire using an agent suitable for type of surrounding fire. Triethanolamine Dodecylbenzene-Sulfonate itself does not burn, or burns with difficulty. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Nitrogen Oxides</i> and <i>Sulfur Oxides</i> . Use water spray to keep fire-exposed containers cool. | Triethanolamine Dodecylbenzene-Sulfonate is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); REDUCING AGENTS (such as LITHIUM, SODIUM, ALUMINUM and their HYDRIDES), ISOCYANATES; and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC). |

SPILL/LEAKS

Isolation Distance:

Spill (Solid): 25 meters (75 feet)

Spill (Liquid): 50 meters (150 feet)

Fire: 800 meters (1/2 mile)

Absorb liquids in vermiculite, dry sand, earth, or a similar material and place into sealed containers for disposal.

Collect solid material in the most convenient and safe manner and place into sealed containers for disposal.

DO NOT wash into sewer.

Triethanolamine Dodecylbenzene-Sulfonate is hazardous to waterfowl and most fish.

PHYSICAL PROPERTIES

Flash Point: >200°F (93°C)

Vapor Pressure: Negligible

Specific Gravity: 1.2 (water = 1)

Water Solubility: Soluble

Boiling Point: >507°F (264°C)

Molecular Weight: 475.6 (*Solution*)

EXPOSURE LIMITS

 No occupational exposure limits have been established for **Triethanolamine Dodecylbenzene-Sulfonate**.

PROTECTIVE EQUIPMENT

Gloves: Nitrile and Natural Rubber (*solid*)
 Butyl, Viton and SilverShield®/4H (*solutions*)

Coveralls: Tyvek® (*solid*)
 Tychem® BR, Responder® and TK (*solutions*)

Respirator: SCBA

HEALTH EFFECTS

Eyes: Irritation and burns

Skin: Irritation and burns

Inhalation: Nose, throat and lung irritation, with coughing, wheezing and shortness of breath

FIRST AID AND DECONTAMINATION

Remove the person from exposure.

Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention.

Quickly remove contaminated clothing and wash contaminated skin with large amounts of soap and water.

Begin artificial respiration if breathing has stopped and CPR if necessary.

Transfer promptly to a medical facility.