



# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : N-Ethyl-P-Toluene Sulfonamide  
CAS-No. : 80-39-7  
Synonym: N-E-PTSA; N-Ethyl-PTSA; N-Ethyl-P-Toluenesulfonamide;  
N-Ethyl Para Toluene Sulfonamide  
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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula :  $C_9H_{12}NO_2S$

CAS-No.	EC-No.	Index-No.	Concentration
N-Ethyl-P-Toluene Sulfonamide 80-39-7	232-465-2		>99%

## 3. HAZARDS IDENTIFICATION

### Emergency Overview:

Do not breathe vapors; do not ingest; avoid contact with skin, eyes, or clothing. Wash thoroughly after handling; do not eat, drink, or smoke in work areas.

### Potential Health Effects:

May cause skin irritation. Inhalation of mist may cause irritation to the respiratory tract.

### Eye Contact:

May cause burning sensation, irritation accompanied with pain and corneal or conjunctival ulceration in severe cases.

### Skin Contact:

May cause irritation, stinging, redness, and some swelling.

### Ingestion:

May cause severe burning in the mouth and digestive tract.

### Chronic:

None known.

## 4. FIRST AID MEASURES

### Ingestion:

DO NOT INDUCE VOMITING. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to

dilute the chemical and IMMEDIATELY call a hospital or poison control center. Be prepared to transport the victim to a hospital if advised by a physician.

**Inhalation:**

IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown atmosphere. Whenever possible, Self-Contained Breathing Apparatus (SCBA) should be used.

**Skin:**

IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a hospital for treatment.

**Eyes:**

First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. IMMEDIATELY transport the victim after flushing eyes to a hospital even if no symptoms (such as redness or irritation) develop.

## 5. FIRE-FIGHTING MEASURES

**Fire Fighting:**

Fires involving this material can be controlled with a dry chemical, carbon dioxide or Halon extinguisher.

**Fire Potential:**

This material is probably combustible.

## 6. ACCIDENTAL RELEASE MEASURES

**Small spills/leaks:**

Should a spill occur while you are handling this chemical, FIRST REMOVE ALL SOURCES OF IGNITION, then you should dampen the solid spill material with 60-70% ethanol and transfer the dampened material to a suitable container. Use absorbent paper dampened with 60-70% ethanol to pick up any remaining material. Seal the absorbent paper, and any of your clothes, which may be contaminated, in a vapor-tight plastic bag for eventual disposal. Solvent wash all contaminated surfaces with 60-70% ethanol followed by washing with a soap and water solution. Do not reenter the contaminated area until the Safety Officer (or other responsible person) has verified that the area has been properly cleaned.

## 7. HANDLING AND STORAGE

**Storage:**

Keep in a cool, dry, dark location in a tightly sealed container or cylinder. Keep away from incompatible materials, ignition sources and untrained individuals. Secure and label area. Protect containers/cylinders from physical damage.

**Handling:**

All chemicals should be considered hazardous. Avoid direct physical contact. Use appropriate, approved safety equipment. Untrained individuals should not handle this chemical or its container. Handling should occur in a chemical fume hood.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Personal Protection:**

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Wear chemical resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

**Respirators:**

Wear a NIOSH-approved half face respirator equipped with an organic vapor/acid gas cartridge (specific for organic vapors, HCl, acid gas and SO<sub>2</sub>) with a dust/mist filter.

**Exposure Effects:**

The toxicological properties of this material have not been investigated.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Platelets (from dilute alcohol or ligroin) or off-white solid.
<b>Melting Point:</b>	66
<b>Boiling Point:</b>	324
<b>Density:</b>	1.307 g/cm <sup>3</sup>
<b>Partition Coefficient:</b>	2.24

**10. STABILITY AND REACTIVITY**

**Stability:** No data.

**Incompatibilities:**

Organic amides/imides react with azo and diazo compounds to generate toxic gases Flammable gases are formed by the reaction of organic amides/imides with strong reducing agents Can react as acids.

**11. TOXICOLOGICAL INFORMATION**

None established. Not listed as a carcinogen by ACGIH, NTP, IARC or OSHA.

**12. ECOLOGICAL INFORMATION**

None known.

**13. DISPOSAL CONSIDERATIONS**

This product is registered by TSCA. The product should be incinerated, according to state Federal regulations.

**14. TRANSPORT INFORMATION**

Nonhazardous; not regulated by DOT.

**15. REGULATORY INFORMATION**

This product is registered by TSCA. This product is not hazardous as defined by OSHA (29 CFR 1910.1200).

**16. OTHER INFORMATION**

**Further information**

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