



Material Safety Data Sheet

Triethylamine

Section 1 - Chemical Product and Company Identification

MSDS Name:	Triethylamine
Company Identification:	Hazel Mercantile Limited
Company Identification: (India)	701/712 A, Embassy Centre, Nariman Point, Mumbai - 400 021.
For Information In The India, Call:	+91 - 22 - 2282 4444 (50 Lines)

Section 2 - Composition, Information on Ingredients

CAS#	121-44-8
Chemical Name	Triethylamine
%	>99%
EINECS#	204-469-4

Section 3 - Hazards Identification

EMERGENCY OVERVIEW	
Highly flammable, harmful by inhalation, in contact with skin and if swallowed. causes severe burns.	
Potential Health Effects	
Eye:	Causes severe eye burns.
Skin:	Harmful if absorbed through the skin. Causes skin burns.
Ingestion:	Harmful if swallowed. Causes gastrointestinal tract burns.
Inhalation:	Harmful if inhaled. May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. Causes chemical burns to the respiratory tract.
Chronic:	Prolonged or repeated skin contact may cause dermatitis.

Section 4 - First Aid Measures

Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin:	Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 glasses of water
Ingestion:	Cupfuls of milk or water. Wash mouth out with water. Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration
Inhalation:	If breathing is difficult, give oxygen.
Notes to Physician:	Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

As in any fire, wear a self-contained breathing apparatus in pressure-	Demand and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. Combustion generates toxic fumes. Will burn if involved in a fire.
Extinguishing Media -	Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide. If water is the only media available, use in flooding amounts.



Section 6 - Accidental Release Measures

General Information-	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Do not let this chemical enter the environment.

Section 7- Handling and Storage

Handling:	Use spark-proof tools and explosion proof equipment. Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharges. Do not ingest or inhale. Use only in a chemical fume hood.
Storage:	Keep away from sources of ignition. Store in a cool, dry place. Keep container closed when not in use.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
<i>Personal Protective Equipment</i>	
Eyes:	Wear chemical splash goggles.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.

Section 9 - Physical and Chemical Properties

Physical State	Clear liquid
Colour	Colourless
Odor	ammonia-like
pH	Not available
Vapor Pressure	69mbar @20 deg C
Viscosity	0.36 mPa.s @20 deg C
Boiling Point	90 deg C @760mm Hg
Freezing/Melting Point	-115 deg C
Autoignition Temperature	215 deg C
Flash Point	-11 deg C
Explosion Limits	Lower: 1.6 Vol % Upper: 9.3 Vol %
Decomposition Temperature	Not available
Solubility in water	133 g/l (20 deg cel)

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials, ignition sources, temperatures above 220 deg cel
Incompatibilities with Other Materials:	Strong oxidizing agents, strong oxidizing agents, acids, dinitrogen tetroxide, Hazardous Decomposition Products Nitrogen oxides, carbon monoxide, carbon dioxide
Hazardous Polymerization :	Will not occur.



Section 11 -Toxicological Information

Oral, mouse:	LD50 = 546 mg/kg;
	LD50/LC50: Oral, rat: LD50 = 460 mg/kg;
Carcinogenicity:	Not listed as a carcinogen

Section 12 -Ecological Information

Fish:	Pimephals prome: LC50: 43.7 mg/L; 96h;
Ecotoxicity: Daphnia:	Daphnia: EC50: 200 mg/L; 48h; .
Bacteria:	Pseudomonas putida: EC50: 95 mg/L; 17h; .
Other:	Do not empty into drains. Biodegradable.

Section 13 -Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 -Transport Information

Shipping Name:	TRIETHYLAMINE
Hazard Class:	3 (8)
UN Number :	1296
Packing Group:	II

Section 15 -Regulatory Information

Risk Phrases:
➤ R 11 Highly flammable.
➤ R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
➤ R 35 Causes severe burns.
Safety Phrases:
➤ S 3 Keep in a cool place.
➤ S 16 Keep away from sources of ignition -No smoking.
➤ S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
➤ S 29 Do not empty into drains.
➤ S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
➤ S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
WGK (Water Danger/Protection)
CAS# 121-44-8: 1
Canada – listed on DSL
US Federal – listed on TSCA

Section 16 -Other Information

MSDS Creation Date:	Sep14, 2007
Revision #0	

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