

SAFETY DATA SHEET

TRIETHYL SILANE

Issued: 23/08/2005

Revision No. 1

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Triethylsilane, 97%
Catalog Numbers: JOC-201
CAS No.: 617-86-7
Company Identification: Nanjing Lanya Chemical Co., Ltd.
Add.Rm103, No.7 Ertiaoxiang,
Gulou, Nanjing, 210008, China

2 - COMPOSITION, INFORMATION ON INGREDIENTS

3 - HAZARDS IDENTIFICATION

Main Hazards: Highly flammable. Irritating to eyes, respiratory system and skin.

4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid. Wash mouth out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Containers may explode in the heat of a fire. Flammable liquid and vapor. May react with acids or moisture to form explosive hydrogen gas.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

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.

7 - HANDLING and STORAGE

Handling: Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage: Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Flammables-area.

8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear liquid

Color: Colorless

Boiling Point: 107 - 108°C @ 760.00mm Hg

Flash Point: -3°C (26.60°F)

Solubility in water: May decompose.

Specific Density: 0.7280g/cm³

Molecular Formula: (C₂H₅)₃SiH

Molecular Weight: 116.28

10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, ignition sources, exposure to moist air or water.

Materials to Avoid: Strong oxidizing agents.

Haz. Decomp. Products: Carbon monoxide, carbon dioxide, silicon oxide.

11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 617-86-7 unlisted.

Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

12 - ECOLOGICAL INFORMATION

13 - DISPOSAL CONSIDERATIONS

Disposal operations: Arrange disposal as special waste, by licensed disposal company.

14 - TRANSPORT INFORMATION

IATA

UN No.	1993	Class:	3
Packing Group:	II	Labelling:	3

IMO

UN No.	1993	Class:	3
Packing Group:	II	Labelling:	3

RID/ADR

UN No.	1993	Class:	3
Packing Group:	II	Labelling:	3



15 - REGULATORY INFORMATION

Hazard Symbols: XI F

Risk Phrases: R 11 Highly flammable.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases: 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 37/39 Wear suitable gloves and eye/face protection.

16 - ADDITIONAL INFORMATION

Legal Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.