



Material Safety Data Sheet WD-730

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

Product Code: WD-730

Product Formulation Name: Bis (Trimethylsiloxy) methylsilane

Synonymous name: 1,1,1,3,5,5,5-Heptamethyltrisiloxane, Heptamethyltrisiloxane

Company Name: WUHAN UNIVERSITY SILICONE NEW MATERIAL CO., LTD.

Telephone: +86-27-68756775 **Fax:** +86-27-68754159

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

| CAS# | Chemical Name | % | EINECS# |
|-----------|--------------------------------------|------|-----------|
| 1873-88-7 | 1,1,1,3,5,5,5-Heptamethyltrisiloxane | 99.0 | 217-496-1 |

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Hazard Designation: "Xi" - Irritant

Physical Appearance: clear liquid.

Potential Health Effects:

Eyes: *Irritant

Skin: *Irritant

Ingestion: Effects undetermined. Treat as toxic.

Inhalation: No information available. Avoid inhalation.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes: Flush with clean water for at least 15 minutes and consult physician.

Skin: Scrub with soap and water. Remove contaminated clothing and shoes.

Ingestion: Give one full cup of milk or water to dilute ingested material.

!!! Get medical attention Immediately !!!

Inhalation: Remove victim to fresh air, give CPR or oxygen if necessary.

Comments: If symptoms persist, get medical attention.

Never give anything by mouth to an unconscious person.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

Flash Point and Method: 22°C

Extinguishing Media: CO₂, Foam, dry chemical.

Fire Fighting Equipment: Fire Fighters must wear positive – pressured, self-contained breathing apparatus and full protective clothing.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****



General Procedures: Absorb spilled material with suitable chemical binder. Shovel absorbent into suitable waste container. Flush spill area with large amount of water. Do not contaminate soil, groundwater, or surface water.

Special Protective Equipment: Wear appropriate personal protective equipment as specified in section 8.

****** SECTION 7 - HANDLING and STORAGE ******

Handling: Container requires grounding during use.

Storage: Store in a cool and dry place. Protect from moisture. Protect from heat, direct sunlight and source of ignition. Maintain tightly closed container. Store away from Alkaline, acidic and oxidizing materials. Provide adequate ventilation.

Designated as a flammable liquid when transported air or ocean.

****** 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. Local exhaust ventilation may be necessary to control any fume levels during the use of this product.

Personal Protective Equipment:

Eyes and Face: Use Chemical goggles.

Skin: Use impervious gloves.

Respiratory: Local exhaust required, Mechanical ventilation required.

In case of exposure, use appropriate NOISH approved respiratory protection.

Work Hygienic Practices: General industrial hygiene practice.

Comments: To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29 CFR 1910.132) be conducted before using this product.

****** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ******

Physical State: Liquid

Color: clear

Percent Volatile: 100

Vapor Density: > 1

Boiling Point: 140 ~ 141°C

Flash Point and Method: 22 °C

Solubility in Water: Insoluble

Specific Gravity/Density: 0.810 g/cm³

Molecular Formula: C₇H₂₂O₂Si₃

Molecular Weight: 222.51



**** SECTION 10 - STABILITY AND REACTIVITY ****

Stability: (Under Normal Conditions): Stable under ordinary conditions of use and storage.

Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: Water or moist air. Exposure to heat, sparks or other source of ignition.

Hazardous Decomposition Products: SiO₂, CO₂, and trace of incompletely burned carbon products.

Incompatible Materials: Oxidizing agents, alkali and acid.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

Carcinogenicity

IARC: No.

NTP: No.

OSHA: No.

Comments: No toxicity information available.

**** SECTION 12 – ECOLOGICAL INFORMATION ****

Environmental Data: No information available.

**** SECTION 13 - TRANSPORT INFORMATION ****

Disposal Method: Incineration is recommended. Treat or dispose of waste material in accordance with all local, state/provincial and national requirements.

Empty Container: Containers of this material may be hazardous when empty since they retain product residues (liquid); observe all warnings and precautions listed for this product.

**** SECTION 14 - TRANSPORT INFORMATION ****

DOT (Department of Transportation)

UN Number: 1993

Packing Group: III

**** SECTION 15 - REGULATORY INFORMATION ****

UNITED STATES

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: This product is listed on the TSCA Inventory.

R-Phrases:

R10 – Flammable

R36/37/38 – Irritant to eyes, skin and respiratory system

S-Phrases:

S26 – In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

S36 – Wear suitable protective clothing.



**** SECTION 16- ADDITIONAL INFORMATION ****

MSDS Creation Date: 13/12/2009

Revision #1 Date: 26/03/2010

MANUFACTURER SUPPLEMENTAL NOTES: All technical data is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

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It does not relate to use in combination with any other material or in any process.

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