

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER: TRANSENE COMPANY, INC.  
ADDRESS: DANVERS INDUSTRIAL PARK  
10 ELECTRONICS AVENUE DANVERS, MA 01923  
TEL: (978) 777-7860 FAX: (978)-739-5640  
WWW.TRANSENE.COM  
EMERGENCY NO. 1-800-424-9300 CHEMTREC

MATERIAL NAME: **HMDS (Hexamethyldisilazane)**  
REVISED: May 2019  
CHEMICAL FAMILY: Silazane  
Product Number: 100-HMDS100  
for PT: 100-HMDS

**SECTION 2. HEALTH HAZARD INFORMATION****GHS Classifications**

H225: Flammable liquid: Category 2  
H302: Acute toxicity oral : Category 4  
H314: Skin corrosion / skin irritation : Category 1C  
H319: Serious eye damage / eye irritation : Category 2A

**Pictograms or Hazard symbols**

Signal Word: Danger  
Highly flammable liquid and vapor.  
Causes severe skin irritation.  
Harmful if swallowed. Causes serious eye irritation.

**Precautionary Statements**

P210 Keep away from heat, flames, and hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P241 Use explosive-proof equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge. P260 Do not breathe fume/gas/mist/vapors.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product.  
P280 Wear protective gloves, clothing, and eye and face protection.  
P301 + P312 If swallowed, call a physician if you feel unwell.  
P301 + P330 + P331 If swallowed, rinse mouth. Do not induce vomiting.  
P303 + P361 + P353 If on skin (or hair) take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 If inhaled, remove person to fresh air and keep comfortable for breathing.  
 P305 + P351 + P338 If in eyes, rinse cautiously with water for several minutes.  
 P310 Seek medical assistance if exposed.  
 P330 Rinse mouth.  
 P363 Wash contaminated clothing before reuse.  
 P370 + P378 In case of fire use ..... to extinguish.  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

| Material             |               | Wt % |
|----------------------|---------------|------|
| Hexamethyldisilazane | CAS# 999-97-3 | 100  |
| Total                |               | 100  |

### SECTION 4. FIRST AID MEASURES

#### EFFECTS OF OVEREXPOSURE

#### FIRST AID:

**Eye Contact:** May cause moderate irritation to naked eye; in case of contact flush eyes well for 15 minutes, lifting the lower and upper eyelids occasionally.

**Skin Contact:** May cause severe irritation and/or burns characterized by redness, swelling, and scab formation. Flush skin with water for 15 minutes. Prolonged exposure can cause burns and may result in permanent skin damage.

**Inhalation:** Inhalation of vapors may irritate the respiratory tract. If inhaled, remove to fresh air. If not breathing give artificial respiration. Seek medical attention.

**Ingestion:** Ingestion causes irritation and burning of the gastrointestinal tract. Get medical attention immediately.

### SECTION 5. FIRE FIGHTING MEASURES

| Flash Point and Method | Autoignition Temp. | Flammability Limits In Air | <u>LOWER</u> | <u>UPPER</u> |
|------------------------|--------------------|----------------------------|--------------|--------------|
| 12.7 °C CC             | 380 °C             |                            | 0.8          | 16.3         |

**Explosion:** Above flash point, vapor-air mixtures are explosive. Vapors are heavier than air and can flow along surfaces to distant ignition sources and flash back. Sensitive to static discharge.

**Extinguishing media:** Carbon dioxide or dry chemical.

**Special fire fighting procedures:** Wear full protective clothing and NIOSH self-contained breathing apparatus. Thermal decomposition produces toxic fumes.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**SPILLS, LEAKS:** Ventilate area of leak or spill. Clean up personnel should wear protective clothing and NIOSH approved respirator. Evacuate non-essential personnel. Dike and cover the contaminated areas with absorbent material such as vermiculite or sand. Transfer to a closed container and send to an approved waste disposal facility. Remove all ignition sources.



Oral, rat LD<sub>50</sub>: est. 800-2,000 mg/kg  
Skin, rabbit LD<sub>50</sub>: est. 500-1,000 mg/kg  
Inhalation, rat LC<sub>50</sub>: est. 30-40 mg/L  
Investigated as a tumorigen, mutagen, reproductive effector

This chemical is not known or reported to affect reproductive function or fetal development; it is not known or reported to be mutagenic; it is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

## **SECTION 12. ECOLOGICAL INFORMATION**

No ecological information available.

**Ecotoxicity** : No data.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

**DISPOSAL**: Dispose of in accordance with all federal state and local regulations. Send waste to an approved waste disposal facility.

## **SECTION 14. TRANSPORTATION INFORMATION**

Proper shipping name: Flammable Liquid, Corrosive, N.O.S. (Hexamethyldisilazane)  
Hazard Class: 3,8  
UN2924  
Packing Group II

## **SECTION 15. REGULATORY**

NFPA: 1-3-1  
HMIS: 3-3-1

Risk Symbol: F, C  
Risk Phrases:  
R10: Flammable  
R21: Harmful in contact with skin  
R34: Causes burns  
R36/37: Irritating to eyes and respiratory system

Safety Phrases:  
S3/7: Keep container tightly closed in a cool place  
S16: Keep away from sources of ignition—No smoking  
S20/21: When using do not eat, drink, or smoke

## **SECTION 16. OTHER INFORMATION**

TSCA listed



