

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: TRANSENE COMPANY, INC.
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EMERGENCY NO. 1-800-424-9300 CHEMTREC

MATERIAL NAME: **HMDS (Hexamethyldisilazane)**

REVISED: March 1, 2022

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.

polymerization: Will not occur X

SECTION 11. TOXICOLOGICAL INFORMATION

Oral, rat LD₅₀: est. 800-2,000 mg/kg

Skin, rabbit LD₅₀: est. 500-1,000 mg/kg

Inhalation, rat LC₅₀: 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