

MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product and Company Identification

MSDS Name: 1,1,1,3,3,3-Hexamethyldisilazane, 98%
Catalog Numbers: AC120580000, AC120580100, AC120581000, AC120585000
Synonyms: Bis(trimethylsilyl)amine; HMDS; 1,1,1-Trimethyl-N-(trimethylsilyl)silanamine.
Company Identification: Acros Organics BVBA
Janssen Pharmaceuticaaan 3a
2440 Geel, Belgium

Company Identification: (USA) Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 999-97-3
Chemical Name: 1,1,1,3,3,3-HEXAMETHYLDISILAZANE
%: 98%
EINECS#: 213-668-5

Hazard Symbols:



Risk Phrases:

F C



11 18 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! Flammable liquid and vapor. Harmful if absorbed through the skin. Corrosive. Moisture sensitive. May be harmful if swallowed. Causes eye and skin burns. Causes digestive and respiratory tract burns. Target Organs: None.

Potential Health Effects

Eye: Causes eye burns.
Skin: Harmful if absorbed through the skin. Causes skin burns.
Ingestion: May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. May be harmful if swallowed.
Inhalation: May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.
Chronic: No information found.

Section 4 - First Aid Measures

1,1,1,3,3,3-HEXAMET	none listed	none listed	none listed
HYLDISILAZANE			

OSHA Vacated PELs: 1,1,1,3,3,3-HEXAMETHYLDISILAZANE: None listed

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. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Color: clear, colorless
Odor: None reported.
pH: Not available
Vapor Pressure: 20 mm Hg @ 20 C
Vapor Density: 4.6
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: 125 deg C (257.00°F)
Freezing/Melting Point: Not available
Decomposition Temperature: Not available
Solubility in water: Insoluble in water.
Specific Gravity/Density: 0.77
Molecular Formula: C6H19NSi2
Molecular Weight: 161.3107

Section 10 - Stability and Reactivity

- Chemical Stability:** Stable under normal temperatures and pressures.
- Conditions to Avoid:** Mechanical shock, incompatible materials, ignition sources, temperatures above 150°C, exposure to moist air or water.
- Incompatibilities with Other Materials:** Not available
- Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, carbon dioxide, silicon dioxide, formaldehyde.
- Hazardous Polymerization:** Has not been reported.

Section 11 - Toxicological Information

- RTECS#:** CAS# 999-97-3: JM9230000
- LD50/LC50:** RTECS:
CAS# 999-97-3: Dermal, guinea pig: LD50 = 1 mL/kg;
 Draize test, rabbit, skin: 500 uL Severe;
 Inhalation, mouse: LC50 = 12 gm/m3/2H;
 Inhalation, rat: LC50 = 8700 mg/m3/4H;
 Oral, mouse: LD50 = 850 mg/kg;
 Oral, rabbit: LD50 = 1100 mg/kg;

Oral, rat: LD50 = 850 mg/kg;
Skin, rabbit: LD50 = 710 uL/kg;

Carcinogenicity: 1,1,1,3,3,3-HEXAMETHYLDISILAZANE - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: Not available
Teratogenicity: Not available
Reproductive: Not available
Neurotoxicity: Not available
Mutagenicity: Not available
Other: Not available

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.

Section 14 - Transport Information

US DOT

Shipping Name: FLAMMABLE LIQUID, TOXIC, CORROSIVE, N.O.S.

Hazard Class: 3

UN Number: UN3286

Packing Group: II

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA

CAS# 999-97-3 is listed on the TSCA Inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 999-97-3: acute, flammable, reactive.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material

does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

STATE

1,1,1,3,3,3-HEXAMETHYLDISILAZANE is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No

None of the chemicals in this product are listed.

Significant Risk Level:

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: F C

Risk Phrases:

R 11 Highly flammable.

R 18 In use, may form flammable/explosive vapour-air mixture.

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

Safety Phrases:

S 7/8 Keep container tightly closed and dry.

S 9 Keep container in a well-ventilated 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 36/39 Wear suitable protective clothing and eye/face protection.

S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 999-97-3: 1

Canada

CAS# 999-97-3 is listed on Canada's DSL List

Canadian WHMIS Classifications: Not available

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 999-97-3 is not listed on Canada's Ingredient Disclosure List.

Section 16 - Other Information

MSDS Creation Date: 11/18/1997

Revision #3 Date 10/03/2005

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages

howsoever arising, even if the company has been advised of the possibility of such damages.