Material Safety Data Sheet
N,O-Bis(trimethylsilyl)acetamide

MSDS# 67636

Section 1 - Chemical Product and Company Identification

MSDS Name: N,O-Bis(trimethylsilyl)acetamide
Catalog Numbers: AC156460000, AC156460010, AC156460011, AC156460250, AC156461000
Synonyms: BSA.

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticalaan 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
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#: 10416-59-8
Chemical Name: N,O-Bis(trimethylsilyl)acetamide
%: 95+
EINECS#: 233-892-7

Hazard Symbols: F C
Risk Phrases: 11 14 22 34

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Danger! Highly flammable. Harmful if swallowed. Causes burns by all exposure routes. Reacts violently with water. Material is a low melting point solid that may become a liquid above room temperature. Target Organs: Respiratory system, gastrointestinal system, eyes, skin.

Potential Health Effects
Eye: Causes eye burns.
Skin: Causes skin burns. May be harmful if absorbed through the skin.
Ingestion: Harmful if swallowed. Causes gastrointestinal tract burns.
Inhalation: Causes chemical burns to the respiratory tract. May be harmful if inhaled.
Chronic: Animal studies have reported the development of tumors.

Section 4 - First Aid Measures

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

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

Ingestion: Do not induce vomiting. Get medical aid immediately. Call a poison control center.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to Physician: Treat symptomatically and supportively.

Section 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. Will burn if involved in a fire. Reacts violently with water. Material is a solid at 20°C (68°F) that melts upon moderate heating into a flammable liquid.

Extinguishing Media: Use foam, dry chemical, or carbon dioxide. DO NOT USE WATER!

Autoignition Temperature: Not available

Flash Point: 42 deg C (107.60 deg F)

Explosion Limits: Not available

Explosion Limits: Not available

NFPA Rating: ; Special Hazard: -W-

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Wear a self-contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Remove all sources of ignition. Use a spark-proof tool. Do not expose spill to water. Do not get water inside containers. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Do not allow water to get into the container because of violent reaction. Minimize dust generation and accumulation. Use spark-proof tools and explosion-proof equipment. Do not get in eyes, on skin, or on clothing. Keep away from heat, sparks and flame. Do not ingest or inhale. Do not allow contact with water. Use only in a chemical fume hood.

Storage: Keep away from sources of ignition. Store in a tightly closed container. Store in a dry area. Refrigerator/flammables.

Section 8 - Exposure Controls, Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>OSHA - Final PELs</th>
</tr>
</thead>
<tbody>
<tr>
<td>N,0-Bis(trimethylsilyl)acetamide</td>
<td>none listed</td>
<td>none listed</td>
<td>none listed</td>
</tr>
</tbody>
</table>

OSHA Vacated PELs: N,O-Bis(trimethylsilyl)acetamide: None listed

Engineering Controls: Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face
Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State: Physical State:
  Color: colorless to slight yellow
  Odor: none reported
  pH: Not available
  Vapor Pressure: 18 mbar @ 50 deg C
  Vapor Density: Not available
  Evaporation Rate: Not available
  Viscosity: Not available
  Boiling Point: 71 - 73 deg C @ 35 mmHg
  Freezing/Melting Point: 24 deg C (75.20°F)

Decomposition Temperature:

Solubility in water: Reacts
Specific Gravity/Density: 0.820
Molecular Formula: C8H21NOSi2
Molecular Weight: 203.43

Section 10 - Stability and Reactivity

Chemical Stability: Reacts violently with water.

Conditions to Avoid: Incompatible materials, ignition sources, dust generation, excess heat, exposure to moist air or water.

Incompatibilities with Other Materials: Strong oxidizing agents, acids.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, carbon dioxide, silicon dioxide.

Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 10416-59-8: AK3000000
LD50/LC50: RTECS: Not available. Other: Oral rat LD50 1580 mg/kg.
Carcinogenicity: N,O-Bis(trimethylsilyl)acetamide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: FLAMMABLE SOLIDS, CORROSIVE, ORGANIC, N.O.S.
Hazard Class: 4.1
UN Number: UN2925
Packing Group: II
Canada TDG
Shipping Name: FLAMMABLE SOLIDS, CORROSIVE, ORGANIC, N.
Hazard Class: 4.103
UN Number: UN2925
Packing Group: II
European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: F C

Risk Phrases:
  R 11 Highly flammable.
  R 14 Reacts violently with water.
  R 22 Harmful if swallowed.
  R 34 Causes burns.

Safety Phrases:
  S 7/8 Keep container tightly closed and dry.
  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 30 Never add water to this product.
  S 36 Wear suitable protective clothing.
  S 43A In case of fire, use dry chemical (never use water).

WGK (Water Danger/Protection)

CAS# 10416-59-8: 1

Canada

CAS# 10416-59-8 is listed on Canada's NDSL List
Canadian WHMIS Classifications: B4, E, D1B, F

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# 10416-59-8 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 10416-59-8 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 8/18/1998
Revision #15 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility 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.

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