

**GELEST, INC.**

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MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **4-BROMO-N,N-BIS(TRIMETHYLSILYL)ANILINE - SIB1879.0**

CHEMICAL NAME: 4-BROMO-N,N-BIS(TRIMETHYLSILYL)ANILINE

SYNONYMS: p-BIS(TRIMETHYLSILYLAMINO)BROMOBENZENE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA:  $12H_{22}BrNSi_2$

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

**INGREDIENTS**

| IDENTITY                               | CAS NO.   | %   | TLV             |
|--|-----------|-----|-----------------|
| 4-BROMO-N,N-BIS(TRIMETHYLSILYL)ANILINE | 5089-33-8 | >95 | not established |

**PHYSICAL DATA**

Boiling Point: 141-2°C at 12mm

Specific Gravity: 1.12

Vapor Density (air=1): >1

% volatiles: NA

Molecular Weight: 316.40

Appearance & Color: Straw to yellow-amber liquid with mild odor

Freezing Point: <0°C

Vapor Pressure, 25°: <0.5mm

Solubility in water: insoluble, reacts

Evaporation rate: NA

Other: NA

**FIRE & EXPLOSION DATA**

Flash Point, COC: >110°C (>230°F) Autoignition Temp.: not determined

Flammability Limits: not determined

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(SIB1879.0)

## ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Cover spill with absorbent material. Transfer to a suitable container for disposal.

Recommended Disposal: May be incinerated. Alternately, absorb onto clay or vermiculite and dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

## HEALTH HAZARD DATA

On contact with water this compound liberates aniline compounds which are known to have a chronic effect on the central nervous system.

Eye Contact: Will cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates of may irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: not determined

Chronic Toxicity: not determined

## SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention, preferably from an ophthalmologist.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

## REACTIVITY DATA

Stability: Stable in sealed containers.

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.

Incompatibility (materials to avoid): Reacts with water and moisture in air liberating hexamethyldisiloxane and p-bromoaniline.

Hazardous decomposition products: Organic acid vapors, p-bromoaniline.

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## SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor acid gas respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

## OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers.

## TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAZARD CLASS: Not Regulated

DOT LABEL: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs

ISSUE DATE SIB1879.0: 6/22/10

SUPERSEDES: 6/13/06

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