

SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Bis(ethylmethylamino)silane**

FORMULA: $H_2Si[(N(CH_3)C_2H_5)]_2$

SYNONYMS: Bis(ethylmethylamido)silane, BEMAS

MANUFACTURER:

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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC 1-703-741-5500

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SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Pictogram



Signal Word **DANGER**

Hazard Statements

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H225	Highly flammable liquid and vapour.
H242	Heating may cause a fire.
H335	May cause respiratory irritation.

SECTION 2 HAZARDS IDENTIFICATION (Cont.)

Precautionary Phrases

Bis(ethylmethylamino)silane

P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces. –No smoking
P211	Do not spray on an open flame or other ignition source.
P222	Do not allow contact with air.
P231 + P232	Handle under inert gas. Protect from moisture.
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands thoroughly after handling
P273	Avoid release into the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: wash with plenty of soap and water.

NFPA Rating:

Health: 2 Flammability: 3 Reactivity: 1

HMIS Rating:

Health: 3 Flammability: 4 Reactivity: 1

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: $H_2Si[(N(CH_3)C_2H_5)]_2$

Molecular Weight: 146.30

CHEMICAL NAME	CAS#	%	TWA
Bis(ethylmethylamino)silane	N/A	>95	25 ppm

SECTION 4 FIRST AID MEASURES

EYE EXPOSURE: Immediately flush eyes with water for at least 15 minutes. Get immediate medical attention.

SKIN EXPOSURE: Flush with water and then wash with soap and water. Consult a physician.

INHALATION: Move to fresh air. Get immediate medical attention.

INGESTION: Do NOT induce vomiting. Never give fluids to an unconscious person. Get immediate medical attention.

SECTION 5 FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Organic acid vapors, ethyl(methyl)amine

ADVICE FOR FIRE FIGHTERS: Avoid eye and skin contact. Do not breathe fumes or inhale vapors. Wear self-contained breathing apparatus. Use water spray to cool unopened containers. Keep away from heat/sparks/open flame/hot surface. No smoking.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear protective equipment. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Reaction with water in the environment will rapidly decompose to ethyl(methyl)amine.

METHODS AND MATERIALS: Cover spill with absorbent material. Transfer to a suitable container for disposal. Absorb onto vermiculite and dispose of absorbent material as solid waste.

SECTION 7 HANDLING AND STORAGE

PERSONAL PRECAUTIONS

Keep away from all ignition sources. Protect against electrostatic charges. Fumes can combine with air to form an explosive mixture. Handle under inert gas.

CONDITIONS FOR SAFE STORAGE

Bis(ethylmethylamino)silane

Store in a standard flammable liquids cabinet or room. Keep away from moisture in a cool, well-ventilated area. Store under inert gas. Hydrolyzes readily. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

INCOMPATIBILITIES

Reacts with water and moisture in air liberating ethyl(methyl)amine. Avoid contact with alcohols, acids, and oxidizers.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

VENTILATION: Chemical fume hood. Handle and use under inert atmosphere.

RESPIRATORY PROTECTION: TLV air-supplied or combination organic/vapor/amine gas respirator.

EYE/FACE PROTECTION: Protective goggles. Do not wear contact lenses.

SKIN PROTECTION: Rubber, neoprene, or nitrile gloves. Be sure there is an eyewash station and emergency shower available.

Complete suit protecting against chemicals, flame retardant antistatic protective clothing.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Clear liquid

FREEZING POINT: No data available

MELTING POINT: No data available

BOILING POINT: 134° C

SPECIFIC GRAVITY: 0.80 g/ml

FLASH POINT: No data available

VAPOR PRESSURE: 5 torr @ 20° C

SOLUBILITY IN WATER: Reacts

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable in sealed containers stored under a dry inert atmosphere.

CONDITIONS TO AVOID: Avoid contact with heat, sparks, or open flame. Avoid contact with alcohols, acids, oxidizers, and moisture. Avoid extremes of temperature and direct sunlight.

INCOMPATIBILITY: Reacts with water and moisture in air liberating ethyl(methyl)amine. Avoid contact with alcohols, acids, and oxidizers.

DECOMPOSITION PRODUCTS: Organic acid vapors, ethyl(methyl)amine.

SECTION 11 TOXICOLOGICAL DATA

ORAL TOXICITY

Not determined

CHRONIC TOXICITY

There are no known chronic effects related to this compound.

ADDITIONAL TOXICOLOGICAL INFORMATION

The hydrolysis products include ethyl(methyl)amine, which is toxic and flammable.

SECTION 12 ECOLOGICAL DATA

GENERAL INFORMATION: Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground. Also, poisonous for fish and plankton in water bodies.

Do not allow material to be released to the environment without proper governmental permits. Very toxic for aquatic organisms.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of all product and materials according to the state, local, or national regulations.

SECTION 14 TRANSPORTATION DATA

Flammable liquid, corrosive, n.o.s. (Bis (Ethylmethylamino) Silane)

Class 3 (8)

UN2924

PG III

IATA, IMDG, and DOT Regulated

SECTION 15 REGULATORY INFORMATION

OSHA HAZARDS

Flammable liquid, Corrosive

SARA 302 COMPONENTS

SARA302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 COMPONENTS

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

MASSACHUSETTS RIGHT TO KNOW COMPONENTS

No components are subject to the Massachusetts Right to Know Act.

PENNSYLVANIA RIGHT TO KNOW COMPONENTS

Bis(ethylmethylamino)silane

CAS-No.

N/A

NEW JERSEY RIGHT TO KNOW COMPONENTS

Bis(ethylmethylamino)silane

CAS-No.

N/A

CALIFORNIA PROP 65 COMPONENTS

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Wonik Materials North America makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 06/11

SDS DEPT