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## MATERIAL SAFETY DATA SHEET (MSDS)

### 2-BROMOETHYLAMINE HYDROBROMIDE (FOR SYNTHESIS)

#### 1 - Chemical Product

Product Name: 2-Bromoethylamine Hydrobromide 99%

Cas No: 2576-47-8

Product Coad: B0050005000

Synonym: Ethanamine, 2-bromo-, Hydrobromide

Molecular Formula: C<sub>2</sub>H<sub>6</sub>BrN.HBr

Molecular Weight: 204.90

#### 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	content	EINECS#
2576-47-8	2-Bromoethylamine hydrobromide	99	219-924-2

#### 3 - HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

Irritating to respiratory system and skin. Hygroscopic (absorbs moisture from the air).

Potential Health Effects

**Eye:** May cause eye irritation.

**Skin:** Causes skin irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Inhalation:** Causes respiratory tract irritation. Aspiration may cause respiratory swelling and pneumonitis.

**Chronic:** No information found.

#### 4 - FIRST AID MEASURES

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

#### 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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire.

**Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use agent most appropriate to extinguish fire. Cool containers with flooding quantities of water until well after fire is out.

#### 6 - ACCIDENTAL RELEASE MEASURES

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

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

Provide ventilation.

#### 7 - HANDLING and STORAGE

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:** Store in a cool, dry place. Keep container closed when not in use.

**MATERIAL SAFETY DATA SHEET (MSDS)****2-BROMOETHYLAMINE HYDROBROMIDE (FOR SYNTHESIS)****8 - EXPOSURE CONTROLS, PERSONAL PROTECTION****Engineering Controls:**

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Exposure Limits CAS# 2576-47-8: 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 gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

**9 - PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid

Color: white

Odor: None reported.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 100-105C @ 18mm Hg

Freezing/Melting Point: 172.00 - 176.00 deg C

Autoignition Temperature: Not available.

Flash Point: Not available.

Explosion Limits, lower: N/A

Explosion Limits, upper: N/A

Decomposition Temperature:

Solubility in water: soluble in water

Specific Gravity/Density:

Molecular Formula: C<sub>2</sub>H<sub>6</sub>BrN.HBr

Molecular Weight: 204.90

**10 - STABILITY AND REACTIVITY**

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, strong oxidants.

Incompatibilities with Other Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen bromide, nitrogen.

Hazardous Polymerization: Has not been reported.

**11 - TOXICOLOGICAL INFORMATION**

RTECS#:

CAS# 2576-47-8: KQ8225000 LD50/LC50:

Not available.

Carcinogenicity: 2-Bromoethylamine hydrobromide - Not listed by ACGIH, IARC, or NTP.

Other: See actual entry in RTECS for complete information.

**12 - ECOLOGICAL INFORMATION****13 - DISPOSAL CONSIDERATIONS**

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

**14 - TRANSPORT INFORMATION**

IATA

Shipping Name: Not regulated.

Hazard Class:

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**MATERIAL SAFETY DATA SHEET (MSDS)****2-BROMOETHYLAMINE HYDROBROMIDE (FOR SYNTHESIS)**

UN Number:

Packing Group:

IMO

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing Group:

RID/ADR

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing group:

**15 - REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 37/38 Irritating to respiratory system and skin.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 2576-47-8: No information available.

Canada

CAS# 2576-47-8 is listed on Canada's NDSL List.

CAS# 2576-47-8 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 2576-47-8 is listed on the TSCA inventory.

**16. Other Information**

**Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**