SAFETY DATA SHEET

Date Printed: 03/28/2024
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SECTION 1. IDENTIFICATION

Product Identifier: (2N) 99% Bismuth Chloride Solution

Product Code: BI-CL-02-SOL

CAS Number: 7787-60-2

Relevant identified uses of the substance: Scientific research and development

Supplier details:

American Elements
10884 Weyburn Ave.
Los Angeles, CA 90024
Tel: +1 310-208-0551
Fax: +1 310-208-0351
Emergency telephone number:
+1 800-424-9300

SECTION 2. HAZARDS IDENTIFICATION

Hazard class: Skin corrosion or irritation (Category 1). Causes severe skin burns and eye damage (H314). Do not breathe mist, vapors or spray (P260).
Hazard class: Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3). May cause respiratory irritation (H335). Avoid breathing mist, vapors or spray (P261).
Hazard class: Acute toxicity, oral (Category 4). Harmful if swallowed (H302). Do not eat, drink or smoke when using this product (P270).
Hazard class: Corrosive to metals (Category 1). May be corrosive to metals (H290).
Industrial exposure to hydrochloric acid vapors and mists is listed as a known human carcinogen by IARC
Pictogram



Signal Word: Danger

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hydrochloric acid

7647-01-0
Bismuth trichloride
7787-60-2
Water
7732-18-5

SECTION 4. FIRST AID MEASURES

Immediately call a POISON CENTER or physician (P310).
If inhaled:
Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).
If in eyes:
Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).
If on skin (or hair):
Immediately remove all contaminated clothing. Rinse skin with water (P303+P361+P353). Wash contaminated clothing before reuse (P363).
If swallowed:
Rinse mouth. Do NOT induce vomiting (P301+P330+P331).

SECTION 5. FIREFIGHTING MEASURES

Nonflammable, noncombustible solution.
In case of fire:
Use a tri-class dry chemical fire extinguisher.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain the spill with sand or absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

SECTION 7. HANDLING AND STORAGE

Storage:
Inorganic #2. Store with acetates, halides, sulfates, sulfites, thiosulfates and phosphates

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Colorless liquid. Odorless.

SECTION 10. STABILITY AND REACTIVITY

Keep away from strong oxidants, bases, alkali metals, copper, copper alloys, and aluminum.
Shelf life: Indefinite, if stored properly.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute effects: Irritant

SECTION 12. ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13. DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

SECTION 14. TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

SECTION 15. REGULATORY INFORMATION

Not listed.

16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.