

# Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015903/Version: 1.0

Page: 1/6

## 1. Identification of the substance/mixture and of the company/undertaking

**Product name:** BUF-8644 (HI Bromide)

**Product code:** 2317076

**Manufacturer:** Carestream Health, Inc., 150 Verona Street, Rochester, New York 14608; Rayco (Shanghai) Medical Products Company Limited; Building 7, No.1510 Chuanqiao Road, Jinqiao Export Processing Zone, Pudong New Area, Shanghai, 201206

For Chemical Emergency Information, call: (800) 820-5800

**Synonyms:** None.

## 2. Composition/information on ingredients

| Weight % | Components (CAS-No.)                       |
|----------|--|
| 95 - 99  | Water (7732-18-5)                          |
| 1 - 5    | Potassium nitrate (7757-79-1)              |
| < 1      | Phosphoric acid, disodium salt (7558-79-4) |
| < 1      | Potassium bromide (7758-02-3)              |
| < 1      | Monopotassium phosphate (7778-77-0)        |

## 3. Hazards identification

Not classified as hazardous according to People's Republic of China National Standard

Contact with combustible material may cause fire.

## 4. First aid measures

**Inhalation:** If symptomatic, move to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

# Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015903/Version: 1.0

Page: 2/6

---

**Eyes:** Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

**Skin:** Wash off with soap and plenty of water. Get medical attention if symptoms occur.

**Ingestion:** Only induce vomiting at the instruction of medical personnel. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

## 5. Fire-fighting measures

**Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special Fire-Fighting Procedures:** None (noncombustible)

**Hazardous Combustion Products:** None (noncombustible)

**Unusual Fire and Explosion Hazards:** Contact with combustible material may cause fire.

## 6. Accidental release measures

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

## 7. Handling and storage

**Personal precautions:** Avoid prolonged or repeated breathing of mist or vapour. Avoid contact with eyes and prolonged or repeated contact with skin. Ensure adequate ventilation. Wash thoroughly after handling.

**Prevention of Fire and Explosion:** No special technical protective measures required.

**Storage:** Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

# Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015903/Version: 1.0

Page: 3/6

---

## 8. Exposure controls / personal protection

**Occupational exposure controls:** Not established

**Ventilation:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

**Respiratory protection:** None should be needed under normal conditions of use.

**Eye protection:** It is a good industrial hygiene practice to minimize eye contact. Wear safety glasses with side shields (or goggles).

**Skin and body protection:** It is a good industrial hygiene practice to minimize skin contact. For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

**Recommended Decontamination Facilities:** Safety shower, eye wash, washing facilities as appropriate to condition of use.

## 9. Physical and chemical properties

**Physical form:** liquid

**Colour:** clear, colourless

**Odour:** odourless

**Specific gravity:** 1

**Vapour pressure:** not applicable

**Vapour density:** 0.6

**Volatile fraction by weight:** 95 - 99 %

**Boiling point/range:** 100 ° C (212.0 ° F) (estimated)

**Water solubility:** complete

**pH:** 7

# Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015903/Version: 1.0

Page: 4/6

---

**Flash point:** does not flash

## 10. Stability and reactivity

**Stability:** Stable.

**Incompatibility:** combustible material.

**Hazardous decomposition products:** None under normal conditions of use.

**Hazardous Polymerization:** Hazardous polymerization does not occur.

## 11. Toxicological information

### Effects of Exposure

**Inhalation:** Expected to be a low hazard for recommended handling.

**Eyes:** No specific hazard known. May cause transient irritation.

**Skin:** Expected to be a low hazard for recommended handling.

**Ingestion:** Expected to be a low ingestion hazard.

## 12. Ecological information

The following properties are ESTIMATED from the components of the preparations.

Potential Toxicity:

Fish LC50: > 100 mg/l

Daphnid EC50: > 100 mg/l

Algal IC50: > 100 mg/l

Waste treatment organisms EC50: > 100 mg/l

# Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015903/Version: 1.0

Page: 5/6

---

Organics Readily Degradable: Moderate

Potential Bioaccumulation:  $\log Pow < 1$

COD (approximate): 0.2 g/l

BOD (approximate): 0.1 g/l

## 13. Disposal considerations

Discharge, treatment, or disposal may be subject to federal, state, commonwealth, provincial, or local laws.

## 14. Transport information

Not regulated for all modes of transportation.

## 15. Regulatory information

Dangerous Chemicals list -2002 published by China National Security to produce Surveillance administrative Bureau: No dangerous chemicals

**Carcinogenicity Classification (components present at 0.1% or more):**

International Agency for Research on Cancer (IARC): none

American Conference of Governmental Industrial Hygienists (ACGIH): none

U.S. National Toxicology Program (NTP): none

U.S. Occupational Safety and Health Administration (OSHA): none

## 16. Other information

**Labeling:**

Not classified as hazardous according to People's Republic of China National Standard

**Risk Phrases:** R 8: Contact with combustible material may cause fire.

# Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015903/Version: 1.0

Page: 6/6

---

---

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment. The information relating to the working solution is for guidance purposes only, and is based on correct mixing and use of the product according to instructions.

---