

Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015793/Version: 1.0

Page: 1/6

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

Product name: BUF-7205 (LO Bromide)

Product code: 2315374

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 - 5	1,2-Benzenedicarboxylic acid, monopotassium salt (877-24-7)
< 0.1	Potassium bromide (7758-02-3)
< 0.1	Magnesium nitrate (10377-60-3)

3. Hazards identification

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

4. First aid measures

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

Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015793/Version: 1.0

Page: 2/6

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

Ingestion: If swallowed, do NOT induce vomiting. Give victim a glass of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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: None.

6. Accidental release measures

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

7. Handling and storage

Personal precautions: Avoid prolonged or repeated breathing of vapour. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

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

Storage: Keep container tightly closed.

Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015793/Version: 1.0

Page: 3/6

8. Exposure controls / personal protection

Occupational exposure controls: Not established

Ventilation: Good general ventilation should be used. Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances.

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

Eye protection: Wear safety glasses with side shields (or goggles).

Skin and body protection: Wear impervious gloves and protective clothing appropriate for the risk of exposure.

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: No data available

Vapour density: 0.6

Volatile fraction by weight: 95 - 99 %

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

Water solubility: complete

Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015793/Version: 1.0

Page: 4/6

pH: No data available

Flash point: does not flash

10. Stability and reactivity

Stability: Stable under normal conditions.

Incompatibility: None with common materials and contaminants with which the material may reasonably come into contact.

Hazardous decomposition products: None under normal conditions of use.

Hazardous Polymerization: Hazardous polymerization does not occur.

11. Toxicological information

Effects of Exposure

General advice:

Contains: Potassium nitrate. Under some circumstances methemoglobinemia may occur when nitrates are converted by bacteria in the stomach to nitrites.

Contains: Potassium bromide. Ingestion of bromide salts can cause nausea, vomiting, headache, irritability, delirium, memory loss, decreased appetite, joint pain, hallucinations, stupor, coma, and acne like rash on face, legs, and trunk.

Contains: Magnesium nitrate. Under some circumstances methemoglobinemia may occur when nitrates are converted by bacteria in the stomach to nitrites.

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.

Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015793/Version: 1.0

Page: 5/6

Data for Potassium nitrate (CAS 7757-79-1):

Acute Toxicity Data:

- Oral LD50 (rat): 1,600 - 3,200 mg/kg
- Dermal LD50: 1,000 mg/kg
- Skin irritation: slight

Data for Potassium bromide (CAS 7758-02-3):

Acute Toxicity Data:

- Oral LD50 (rat): > 1,600 mg/kg

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:	Not available
Organics Readily Degradable:	Readily biodegradable
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.

Chemical Safety Data Sheet

Revision Date: 22.04.2007

Print Date: 11.11.2010

000000015793/Version: 1.0

Page: 6/6

14. Transport information

Not regulated for all modes of transportation.

For more transportation information, go to: <http://ship.carestreamhealth.com>.

15. Regulatory information

Dangerous Chemicals list -2002 published by China National Security to produce Surveillance administrative Bureau: Listed - Potassium nitrate

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

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.
