

MATERIAL SAFETY DATA SHEET

Part# ISE-8720-S1

SECTION I: GENERAL INFORMATION

PRODUCT NAME: 0.1M Bromide Standard

CHEMICAL NAME: Sodium Bromide in Water

CHEMICAL FAMILY: salt solution

DOT SHIPPING INFO: N/A

IATA SHIPPING INFO: N/A

SECTION II: INGREDIENTS

| CAS NO. | % | CHEMICAL NAME(S) | LD50 (mg/kg) oral-rat | OSHA/PEL ACGIH TLV |
|-----------|-------|------------------|--------------------------|-----------------------|
| 7647-15-6 | 1.0% | Sodium Bromide | 3.59 | none |
| 7732-18-5 | 99.0% | Water | - | none |

SECTION III: PHYSICAL DATA

BOILING POINT: 100°C

SPECIFIC GRAVITY: 1.0

VAPOR PRESSURE: N/A

FREEZING POINT: 0°C

VAPOR DENSITY: N/A

pH: 5.5-8

WATER SOLUBILITY: Soluble

APPEARANCE & ODOR: Colorless, odorless, liquid

SECTION IV: FIRE & EXPLOSION HAZARD DATA

FLASHPOINT: Not flammable

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Water, CO₂, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

SECTION V: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: This product is a low hazard for both chronic and acute exposure. Possible irritation of the skin if allowed to remain on skin for long periods of time.

EMERGENCY & FIRST AID: Wash off skin with water.

EYES & SKIN: Flush with water.

INGESTION/INHALATION: If ingested, consult physician.

SECTION VI: REACTIVITY DATA

STABLE: yes

CONDITIONS TO AVOID: None

INCOMPATIBILITY: Alkaloidal and metallic salts and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating to decomposition may emit toxic fumes of bromine.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN: Clean up and wash down drain.

WASTE DISPOSAL METHOD: Observe all state, federal, and local laws. Flush down drain if allowed.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None

VENTILATION: N/A

PROTECTIVE GLOVES: Any type

EYE PROTECTION: Safety goggles

OTHER PROTECTIVE EQUIPMENT: N/A

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Sodium bromide does not appear on any listing associated with SARA Title III law.

OTHER PRECAUTIONS: NFPA rating (0-4): Fire-0, Health-0, Reactivity-0, specific-none.

ISSUE DATE: April 17, 2003

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