

**R-0699**

MATERIAL SAFETY DATA SHEET

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1. PRODUCT IDENTIFICATION

CATALOG NO.: R-0699
PRODUCT NAME: Iodide Iodate Reagent
CHEMICAL FAMILY: Inorganic salt solution

2. INGREDIENTS

INGREDIENT	CAS NO.	%	NATURE OF HAZARD
Potassium iodide	7681-11-0	<5	Irritant
Potassium hydroxide	1310-58-3	<1	Irritant alkali
Nonhazardous ingredients	NA	<1	None
Deionized water	7732-18-5	to 100	None

3. PHYSICAL/CHEMICAL CHARACTERISTICS

STATE: Liquid APPEARANCE: Clear, colorless ODOR: None
BOILING PT (F): 212 pH: 11.8 SPECIFIC GRAVITY: 1.01
VAPOR PRESSURE (mm Hg): 17 VAPOR DENSITY (AIR=1): .6
PERCENT VOLATILE BY VOLUME: 99 SOLUBILITY IN WATER: Soluble

4. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT: NA METHOD: NA

FLAMMABLE LIMITS: LEL: NA UEL: NA

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray or foam

SPECIAL PROCEDURES: Wear self-contained (positive pressure if available) breathing apparatus and full-protective clothing

FIRE/EXPLOSION HAZARDS AND HAZARDOUS DECOMPOSITION PRODUCTS: May release elemental iodine upon contact with acids and other chemicals. May emit toxic fumes of iodine, potassium oxide.

NFPA CODE: Health: 0 Flammability: 0 Reactivity: 0 Specific: NA

CONDITIONS TO AVOID: Extreme heat, temperatures. Contact with acids.

5. HEALTH HAZARD DATA

INGREDIENT: Potassium iodide

TOXICITY: LD50(oral-mus): 1862 mg/kg

PEL: NE TLV: NE

STEL: NE

INGREDIENT: Potassium hydroxide

TOXICITY: LD50(oral-rat): 365 mg/kg

PEL: NE TLV: 2 mg/m³ (ceiling)

STEL: NE

ROUTE(S) OF ENTRY: Inhalation Ingestion X Skin X

TARGET ORGAN(S): Eyes, skin

CARCINOGENICITY: NTP No IARC No OSHA No

5. HEALTH HAZARD DATA - continued

HEALTH HAZARDS AND SYMPTOMS OF EXPOSURE:

EYES: Irritant

SKIN: Irritant

INGESTION: Irritant. May cause gastrointestinal irritation.

INHALATION: NA

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin conditions

6. PRECAUTIONARY MEASURES

PROTECTIVE EQUIPMENT: General purpose gloves, safety glasses, lab coat

HANDLING: Avoid contact with eyes, skin, and clothing. Avoid breathing chemical. Wash thoroughly after handling.

STORAGE: Cool, dry area. Avoid direct sunlight.

7. EMERGENCY AND FIRST AID PROCEDURES

EYE AND SKIN CONTACT: Immediately flush eyes with water for 20 minutes or until chemical is removed. Call physician. Wash skin thoroughly with soap and water.

INGESTION: Give large amounts of water. Call physician. Induce vomiting under direction of physician. DO NOT induce vomiting or give anything by mouth to a person who is unconscious, rapidly losing consciousness, or convulsing.

INHALATION: NA

8. SPILL AND DISPOSAL PROCEDURES

SPILL OR RELEASE: Absorb with vermiculite or other inert material.

Containerize for later disposal.

DISPOSAL: Incineration or other method to comply with all local, state, and federal regulations.

NA = Not applicable

ND = Not determined

NE = Not established

This Material Safety Data Sheet has been prepared in accordance with 29 CFR Part 1910.1200 and contains information believed to be accurate and complete at the date of preparation. However, no warranty is expressed or implied. Advice given under "Spill and Disposal Procedures" assumes compliance with federal, state, and local regulations regarding the disposal of hazardous waste.

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