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Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

Section I - Product Identification

An aqueous solution of Iodine and potassium iodide.

Section II - Hazards Identification

Warning: Causes skin irritation. Wash thoroughly after handling. Wear protective clothing, eye and face protection. If swallowed: rinse mouth and Immediately contact a poison control center. Remove contaminated clothing and rinse skin with water.

Safety Ratings

Health: Moderate *Flammability:* None *Reactivity:* Slight *Contact:* Slight

Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: General storage

NFPA Ratings

Health = 2 Flammability = 0 Reactivity = 1



Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other dilute iodine products.

Inhalation: May be irritating

Ingestion: While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

Skin contact: Not normally a problem

Eye contact: May be irritating

Chronic Exposure: Unknown

Aggravation of preexisting conditions: Unknown

Section III - Composition/Information on Components

| Ingredients | CAS# | OSHA Pel | ACGIH TLV | Other Limits | % |
|------------------|-----------|-----------------|------------------------|--------------|----------|
| Iodine | 7553-56-2 | 0.1 ppm Ceiling | 0.1 ppm (STEL) Ceiling | | 1.5% w/v |
| Potassium Iodide | 7681-11-0 | ———— | ———— | | 10% w/v |

Section IV - First Aid Measures

Inhalation: Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: If the victim is conscious, induce vomiting. Never give anything by mouth to an unconscious person.

Skin Contact: Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice if irritation develops.

Section V - Fire Fighting Measures

Flash point: Not applicable.

Flammable Limits: Not applicable.

Fire: Not a fire Hazard,

Explosion: Not Normally an explosion hazards.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Pyrolysis will release corrosive iodine vapor.

Section VI - Accidental Release Measures

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed container, protected from freezing.

Section VIII - Exposure Control/Personal Protection

Airborne Exposure Limits: See section III.

Ventilation System: Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

Personal Respirator: Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

Skin protection: Protective gloves are not required but recommended as part of good laboratory practice.

Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

Section IX - Physical and Chemical Properties

Boiling Point: 100 °C

Density: About 1.01 g/ml

Vapor pressure (mm Hg): 18 @ 20 °C

Evaporation Rate (water = 1): 1

Vapor Density (air = 1): 0.6

Solubility: Infinitely miscible with water

Appearance and Odor: An opaque purple solution with the characteristic odor of iodine.

Section X - Stability and Reactivity

Stability: Freezes at low temperature.

Hazardous Decomposition Products: Nothing unusual.

Hazardous polymerization: Will not occur.

Incompatibilities: Nothing unusual.

Conditions to avoid: Excessive cold/heat and light.

Section XI - Toxicological Information

None relating to normal exposure.

Cancer lists

| <u>Ingredient</u> | <u>Known Carcinogenicity?</u> | <u>NTP?</u> | <u>Anticipated?</u> | <u>IARC Category</u> |
|-------------------|-------------------------------|-------------|---------------------|----------------------|
| Iodine | No | No | No | None |
| Potassium iodide | No | No | No | None |

Section XII - Ecological Information

Environmental Fate: Unknown

Environmental Toxicity: Unknown

Section XIII - Disposal Considerations

Not usually regulated. Local governments may restrict the amounts of iodine that may be flushed down drain. Insure compliance with all government regulation

Section XIV - Transportation Information

Not regulated.

Section XV - Regulatory Information**Chemical Inventory Status**

| <u>Ingredient</u> | <u>TSCA</u> | <u>EC</u> |
|-------------------|-------------|-----------|
| Iodine | Yes | Yes |
| Potassium Iodide | Yes | Yes |

Federal, State and International Regulations

| <u>Ingredient</u> | <u>SARA 302</u> | | <u>SARA 313</u> | | <u>RCRA</u> | <u>TSCA</u> | <u>Ca. Prop 65</u> |
|---|-----------------|------------|-----------------|-----------------|---------------|-------------|--------------------|
| | <u>RQ</u> | <u>TPQ</u> | <u>List</u> | <u>Category</u> | <u>261.33</u> | <u>8(D)</u> | |
| Iodine | No | No | No | No | No | No | No |
| Potassium Iodide | No | No | No | No | No | No | |
| Chemical Weapons Convention: No TSCA 12(b): No CDTA: No | | | | | | | |
| SARA 311/312: Acute: Yes, Chronic: Yes | | | | | | | |

Section XVI - Other Information

This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

Revision Date: Nov. 6, 2017