## MATERIAL SAFETY DATA SHEET July 1, 1986

Chemical Synonyms Formula Product C.A.S. No. Unit(s) Size SECTION SECTION None assigned I/KI Solution, Starch Test 100 ml, 500 ml, 1 Liter. \<u>\</u> IODINE-POTASSIUM TODIDE, STARCH NAME TEST LEAST SLIGHT

Day 716-226-6177 Night 716-334-4222 CHEMTREC 800-424-9300 Reactivity Health Fire N 0

MODERATE

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EXTREME

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Emergency and First Aid Procedures

CE 2699

**HAZARD RATING** 

Principal Hazardous Component(s) HAZARDOUS INGREDIENTS OF MIXTURES % TLV Units

CORROSIVE-CAUSES IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES. DANGER! (Iodine-Potassium Iodide water solution) Iodine-Potassium Iodide Solution, Starch Test POISON 😕 HARMFUL IF INHALED OR SWALLOWED 1.27% See Section V (as Iodine)

Vapor Density (Air = 1) Boiling Point (°F) Vapor Pressure (mm Hg) Melting Point (°F) SECTION III PHYSICAL DATA May freeze at 0°C 0.7 (water) 14 (water) Approx. 100°C (212°F) Evaporation Rate Percent Volatile by Volume (%) Specific Gravity (H,0 = 1) 386 Greater than Approx.

:.0

Appearance and Odor | Deep-amber color liquid; iodine odor. Solubility in Water

Complete

Flash Point (Method Used) SECTION IV Non-flammable (NA). FIRE AND EXPLOSION HAZARD % by Volume MA

Úse any media suitable for extinguishing supporting fire

Extinguisher Media

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

tissue. violet in col is corrosive When heated, emits toxic and corrosive, or, fumes of iodine. to metals and to all 22 23 20 25 26 din 2 293037

8 43 Walle min THE PARTY

CORROSIVE MATERIAL, N.O.S.

D.O.T.

SCIENTIFIC

FREY SCIENTIFIC

905 HICKORY LANE MANSFIELD OHIO 44905

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

MISDS No. 68783

Rev. No.

Threshold Limited Value SECTION V HEALTH HAZARD DATA

None established for this solution. (ACGIH 1983-84) Toxicity: Oral-huma TMA: As Iodine (Ceiling Timit) 0.1 ppm; 1 mg/m² (Air) LDLO:.2000 mg/kg Oral-human

Effects of Overexposure

Contact as fumes or solution is intensely irritating to eyes, skin and mucous membranes.

Of large quantities causes abdominal pain, vomiting and diarrhea.

severe cases purging, excessive thirst and circulatory failure may develope

white or gruel. Call physician immediately. <u>IMGESTION:</u> If swallowed, if conscious, give one or two glasses of water to drink. Induce vomiting. Follow by giving starch solution, milk, egg

attention. EYES: In case of contact, flush eyes thoroughly with water. Holding eye lids open, flush thoroughly for at least 15 minutes. Get immediate medical

[[]HALATIGN: If inhaled, remove to fresh air. live artificial respiration. Get KIN: Flush thoroughly with water Get medical attention. If breathing has stopped,

SECTION VI REACTIVITY DATA

Unstable **Conditions to Avoid** 

Stability Stable ncompatibility Excessive temperature and heat.

(Materials to avoid) Azide, Sodfum hydride prevent the formation of the explosive "nitrogen iodide". Contact of gaseous ammonia or its solution with free iodine should be avoided to Acetaldehyde, Sodium

Decomposition Products Hazardous Free Iodine

May Occur lazardous Polymerization Will Not Occur Conditions to Avoid

SECTION VII SPILL OR LEAK PROCEDURES Not applicable.

Steps to be taken in case material is released or spilled

Upper

place in a suitable container for disposal. -Wash spiil area with 5-10% sodium thiosulfate solution. Absorb spill in vermiculite, sand, earth, paper towel

Waste Disposal Method

Dispose of in an approved chemical landfill or cover with a reducer (hypo, a bisulfite or a ferrous salt, but not carbon, sulfur or strong reducing

Discharge, treatment, or disposal may be subject to federal, state, or local laws. drain with excess water. promote reduction. Scoop slurry into a container of water, neutralize the slurry with soda ash and wash to agents). Mix well and spray with water. A suifite or ferrous salt will require addition of  $3H-H_2SO_4$  to

SECTION VIII SPECIAL PROTECTION INFORMATION

Ventilation Local Exhaust
Mechanical (General) Protection Work in a fume needed in normal laboratory handling at room temperature. Recommended If needed,

Recommended

Other

Eye Protection | Chemical safety glasses

Other Protective

Protective Gloves

Rubber

SECTION IX SPECIAL PRECAUTIONS Smock, apron, eye wash station, goggles, ventilation hood, proper gloves

Precautions to be Taken in Handling and Storing

clothing and shoes. Store in a cool, dry, well-ventilated area. Wash before reuse. Wash thoroughly after handling. Remove all contaminated

Keep container tightly closed when not in use

Other Precautions

Read label on container before using

For laboratory use only. Not for drug, food or household use. Keep out of reach of children

Date 1/12/87 Approved Manual Cocardo Coordinator

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