MATERIAL SAFETY DATA SHEET 17 1. 1986

Unit(s) Size C.A.S. No. Formula Product унопуть SECTION I SECTION II SNIGOI 30, 100, 500 grams, 2.5 Kg. Lodine NAME HAZARD RATING LEAST SLIGHT Day 716-226-6177 Night 716-334-4222 CHEMTREC 800-424-9300 972 MODERATE

Reactivity 2 Health Fire 0

EXTREME

HAZARDOUS INGREDIENTS OF MIXTURES **TLV Units**

Principal Hazardous Component(s) CAUSES IRRITATION TO SKIN, EYES AND MUCOUS MEMBRANES-DANGER! <u>;</u>;0 POISON)io MAY BE FATAL IF SWALLOWED-100% % See Section V

SECTION III CORROSIVE-HARMFUL IF INHALED PHYSICAL DATA

Vapor Pressure (mm Hg) Vapor Density (Air = 1) Boiling Point (°F) Melting Point (°F) 0.2 mm at 20°C 4.4 363°F (184°C) Specific Gravity (H,0=1) 4.93 Percent Volatile by Volume (%) **Evaporation Rate** Sublimes at o Temperatures. 2001

at ordinary

Appearance and Odor Solubility in Water 0.029 grams per 100 ml water at 20°C; 0.078 g at 50°C.

Bluish-black scales, crystals, metallic luster; characteristic odor.

Method Used) SECTION IV FIRE AND EXPLOSION HAZARD DATA

Non-flammable (NA) % by Volume NA

Extinguisher Media Water spray in quantities depending upon the seriousness of the fire

SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Sublimes at ordinary temperatures yielding metals and to all body tissues.

D.O.T.

OTHER REGULATED MATERIAL-A



905 HICKORY LANE MANSFIELD OHIO 44905 FREY SCIENTIFIC

MSDS No. Effective Date

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

SECTION V HEALTH HAZARD DATA

Threshold Limited Value TMA: (Celling limit) 0.1 ppm; 1 mg/m³ (Air).
Toxicity: Oral-human LDLO; 2000 mg/Kg. (ACGIH, 1983-84)

Effects of Overexposure The solid state or fumes is intensely irritating to eyes, skin and

mucous membranes.

failure may develope. NGESTION: Of large quantities causes abdominal pain, vomiting and In severe cases purging, excessive thirst and circulatory

to drink. Induce vomiting. Follow by giving starch solution, milk, egg white or gruel. Get immediate medical attention. INSESTION: If swallowed, if conscious, give one or two glasses of water

Emergency and First Aid Procedures give artificial respiration. eyelids open flush thoroughly with water. Get immediate medical attention. <u>EYES:</u> In case of contact, flush eyes thoroughly with water. INHALATION: If inhaled, remove to fresh air. If breathing has stopped, Flush thoroughly with water. Get immediate medical attention. Get immediate medical attention.

SECTION VI REACTIVITY DATA

Stability Unstable Stable Contact of gaseous armonta or its solutions with free iodine should be avoided to Conditions to Avoid increase rate of sublimation. Excessive temperature or heat will

Decomposition Products Hazardous Incompatibility Materials to avoid) Sodfum hydride. prevent the formation of the explosive "nitrogen iodide". Acetaldehyde, Sodium Azide, Elemental form. Cannot produce decomposition products

SECTION VII SPILL OR LEAK PROCEDURES Not applicable

May Occur

Will Not Occur

Conditions to Avoid

Hazardous Polymerization

Steps to be taken in case material is released or spilled

spill area with a 5-10% sodium thiosulfate solution. Sweep up and place in a suitable container. g and using good ventilation. Wash floor

Waste Disposal Method

3M-H2SO₄ to promote reduction. Scoop slurry into a container of water, neutralize the slurry with soda Discharge, treatment, or disposal may be subject to federal, state, of local laws, ash and wash to drain with excess water. reducing agents.) Mix well and spray with water. A sulfite or ferrous salt will require addition of 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

SECTION VIII SPECIAL PROTECTION INFORMATION

pecify Type) hood or if iodine vapors are produced in work area,

Protective Gloves Ventilation Local Exhaust
Mechanical (General) Rubber Eye Protection Other Chemical safety glasses

Smock, apron, eye wash station, good ventilation, goggles, proper gloves

SECTION IX SPECIAL PRECAUTIONS Other Protective Equipment

in Handling and Storing Precautions to be Taken

Store in a cool, dry, well-ventilated area. Remove all contaminated clothing and shoes. Decontaminate before reuse.

Keep container tightly closed when not in use.

Other Precautions

Read label on container before using

Wash thoroughly after handling

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

Date 1/12/87 Approved (Mundal U. Cocoulk Chemical Safety Coordinator

Rev. No.

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