

MSDS

Material Safety Data Sheet



24 HOUR EMERGENCY
TELEPHONE NUMBER
CALL CHEMTREC
1-800-424-9300

189 Twin County Road • Morgantown, PA 19543 • (610) 524-5810

D'Antoni Iodine

SECTION 1 PRODUCT IDENTIFICATION

NAME: D'Antoni Iodine

EVER SCIENTIFIC ORDER NUMBERS: ES875, ES876, ES877

SYNONYMS: N/I

CAS NO: Not Applicable to mixtures

FORMULA: Mixture

DOT INFORMATION: Proper Shipping Name - "Diagnostics Solution"

Hazard Class: N/A

UN Number: N/A

Packing Group: N/A

Composition of Ingredients

Ingredient	CAS #	Percent	Hazardous
Iodine	7553-56-2	1.5%	No
Potassium iodide	7681-11-0	1%	No

****LABEL HAZARD STATEMENT AND PRECAUTIONS****

WARNING! **MAY BE HARMFUL IF SWALLOWED!** FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY BE HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN. MAY CAUSE SKIN OR EYE IRRITATION. Keep away from heat sparks and flame. Keep container tightly closed. Avoid breathing vapor. Use only with adequate ventilation. Avoid contact with skin, eyes and clothing. Do not taste or swallow. Wash thoroughly after handling.

SECTION 2 HAZARDOUS INGREDIENTS / EXPOSURE LIMITS

Not Applicable

SECTION 3 PHYSICAL / CHEMICAL CHARACTERISTICS

SOLUBILITY IN WATER: Miscible

VAPOR PRESSURE (mm Hg): Not Determined

SPECIFIC GRAVITY: 1.8 @ 20°C/4°C

EVAPORATION RATE (BuAc=1): ca. 1.4

BOILING POINT (C): 100

VAPOR DENSITY: .6

MELTING POINT (C): -154

pH: Not Determined

APPEARANCE AND ODOR: An opaque purple solution with the odor of iodine.

SECTION 4 FIRE / EXPLOSION HAZARD DATA

NFPA RATINGS: (Estimated) **HEALTH:** 2 **FIRE:** 0 **REACTIVITY:** 1

CONTACT RATING: 0

FLASH POINT (C): Not flammable

AUTOIGNITION TEMPERATURE (C): Not Flammable

FLAMMABLE LIMITS (%): Not applicable

EXTINGUISHING MEDIA: Water spray, dry chemical, "alcohol" foam, CO₂.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus with full face-piece operated in pressure-demand or other positive-pressure mode.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pyrolysis will release corrosive iodine vapors.

SECTION 5 REACTIVITY DATA

STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: Excessive heat

MATERIALS TO AVOID: Strong oxidants, silver salts, metal hydrides, hydrazines.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon, Nitrogen and Chlorine

HAZARDOUS POLYMERIZATION: Does not occur.

SECTION 6 HEALTH HAZARD DATA

ROUTES OF ENTRY AND POTENTIAL EFFECTS OF OVEREXPOSURE

INHALATION: Vapor inhalation may cause respiratory tract irritation.

SKIN CONTACT: May cause contact dermatitis. Will be absorbed through intact skin leading to joint pain and swelling

EYE CONTACT: May cause irritation and potentially blurred vision.

INGESTION: Swallowing in may cause abdominal pain, intoxication, gastritis, nausea, headache, vomiting. Swallowing large doses may be fatal. Lung exposure can produce severe lung damage and is considered a medical emergency.

CHRONIC EXPOSURE: Long term exposure to iodine can cause iodism and deficiency of thyroid hormone.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None

CARCINOGENICITY: None

****FIRST AID PROCEDURES****

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes.

SKIN CONTACT: Immediately flush with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Get medical attention for persistent irritation.

INHALATION: Remove to fresh air.

INGESTION: If ingested induce vomiting.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Ventilate area and remove sources of ignition. Absorb spill with inert material and containerize for disposal.

WASTE DISPOSAL METHOD: All liquid or contaminated material should be disposed of in a DOT approved waste container.

STORAGE: Store tightly closed. Store away from sunlight.

SECTION 8 CONTROL MEASURES

VENTILATION: Local preferred.

RESPIRATORY PROTECTION: Full face-piece respirator.

EYE PROTECTION: Chemical splash goggles and/or full face-shield. Maintain eye wash station in area where this reagent is used.

SKIN PROTECTION: Gloves, lab coat and impervious apron as necessary to prevent any skin contact.

AZER SCIENTIFIC INC. MAKES NO REPRESENTATION AS TO THE COMPREHENSIVENESS OR ACCURACY OF THIS INFORMATION. INDIVIDUALS RECEIVING THIS INFORMATION MUST EXERCISE THEIR INDEPENDENT JUDGMENT IN DETERMINING ITS APPROPRIATENESS FOR A PARTICULAR PURPOSE. ACCORDINGLY, AZER SCIENTIFIC INC. WILL NOT BE RESPONSIBLE FOR DAMAGES OF ANY KIND OR NATURE RESULTING FROM THE USE OF ANY SUCH INFORMATION. NO REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, INCLUDING BUT NOT LIMITED TO, EXPRESS WARRANTIES, IMPLIED WARRANTIES OF MERCHANTABILITY, OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE, ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.