

9231 020843



MATERIAL SAFETY DATA SHEET

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Iodine, Tincture, 2%

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SECTION I - PRODUCT IDENTIFICATION

Product Name: Iodine, Tincture, 2%
Formula: Mixture: Iodine + Sodium Iodide + Ethanol + Water
Formula Wt: .00
CAS No.: 00553-56-2
Product Codes:

PRECAUTIONARY LABELLING

HEALTH 1 SLIGHT	FLAMMABILITY 3 SEVERE	REACTIVITY 0 NONE	CONTACT 1 SLIGHT
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Laboratory Protective Equipment

 SAFETY GLASSES	 LAB COAT	 VENT HOOD	 PROPER GLOVES	 EXTINGUISHER
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Precautionary Label Statements

WARNING!
FLAMMABLE
HARMFUL IF SWALLOWED

Keep away from heat, sparks, flame. Avoid contact with eyes, skin, clothing. Avoid breathing vapor. Keep in tightly closed container. Use with adequate ventilation. Wash thoroughly after handling. In case of fire, use water spray, alcohol foam, dry chemical, or carbon dioxide. Flush spill area with water spray.

SECTION II - HAZARDOUS COMPONENTS

Component	%	CAS No.
Ethanol	45-55	64-17-5
Iodine	2	7553-56-2

SECTION III - PHYSICAL DATA

Boiling Point:	N/A	Vapor Pressure (mmHg):	N/A
Melting Point:	N/A	Vapor Density (air=1):	N/A

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SECTION III - PHYSICAL DATA (Continued)

Specific Gravity: 0.00
(H₂O=1)

Evaporation Rate: N/A
(Butyl Acetate=1)

Solubility(H₂O): Appreciable (more than 10 %) % Volatiles by Volume: 98

Appearance & Odor: Reddish-brown liquid with odor of iodine and alcohol.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 24°C (76°F)

Fire Extinguishing Media

Use alcohol foam, dry chemical or carbon dioxide.
(Water may be ineffective.)

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained (positive pressure if available) breathing apparatus with full facepiece. Move expose containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

Unusual Fire & Explosion Hazards

Vapors may flow along surfaces to distant ignition sources and flash back. Closed containers exposed to heat may explode. Contact with strong oxidizers may cause fire.

SECTION V - HEALTH HAZARD DATA

Effects of Overexposure

Liquid may be irritating to skin, eyes, and mucous membranes.

Emergency and First Aid Procedures

If swallowed, if conscious, immediately induce vomiting.

SECTION VI - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur

Conditions to Avoid: heat, flame, sources of ignition

Incompatibles: strong oxidizing agents, aluminum

Decomposition Products: iodine

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SECTION VII - SPILL AND DISPOSAL PROCEDURES

Steps to be taken in the event of a spill or discharge

Wear suitable protective clothing. Shut off ignition sources; no flares, smoking, or flames in area. Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush area with water.

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.

EPA Hazardous Waste Number: D001 (Ignitable Waste)

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation: Use adequate general or local exhaust ventilation to keep vapor and mist levels as low as possible.

Respiratory Protection: Respiratory protection required if airborne concentration exceeds TLV. At concentrations above 1 ppm, a self-contained breathing apparatus is advised.

Eye/Skin Protection: Safety glasses with sideshields, rubber gloves are recommended.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

Storage Color Code:

Special Precautions

Bond and ground containers when transferring liquid. Keep container tightly closed. Store in a cool, dry, well-ventilated, flammable liquid storage area.

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

DOMESTIC (D.O.T.)

Proper Shipping Name	Ethyl alcohol, solution
Hazard Class	Flammable liquid
UN/NA	UN1170
Labels	FLAMMABLE LIQUID

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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (Continued)

INTERNATIONAL (I.M.O.)

Proper Shipping Name	Ethyl alcohol solution
Hazard Class	3.2
UN/NA	UN1170
Labels	FLAMMABLE LIQUID

N/A = Not Applicable or Not Available

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