

Material Safety Data Sheet

(Gram's Iodine)

Section 1: Chemical Product and Company Identification

<p>Product Name: Gram's Iodine</p> <p>Catalog Number: 24106-02, 26106-02, 26108-04, 26105-04, 26131-04, 16132-3A, 26364-7A, 26773-3A, 26054-05, 26054-06</p> <p>CAS#: See Section 2 below</p>	<p>Contact Information: Electron Microscopy Sciences 1560 Industry Road Hatfield, PA 19440 1-215-412-8400 (phone) 1-800-523-5874 (toll-free) 1-215-412-8450 (fax) Order Online: emsdiasum.com</p> <p>CHEMTREC (24-Hour Emergency Telephone), call: 1-800-424-9300</p>
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Section 2: Composition and Information on Ingredients

CAS#	Chemical Name	Percent
7553-56-2	IODINE POISON! DANGER! CORROSIVE. CAUSES SEVERE IRRITATION OR BURNS TO EVERY AREA OF CONTACT. MAY BE FATAL IF SWALLOWED OR INHALED. VAPORS CAUSE SEVERE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. STRONG OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. AFFECTS THE CARDIOVASCULAR AND CENTRAL NERVOUS SYSTEMS. MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION.	0.33w/v
7681-11-0	POTASSIUM IODIDE CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.	0.67w/v
7732-18-5	Water	Balance

Section 3: Hazards Identification

NFPA	HEALTH – 2	FLAMMABILITY – 0	REACTIVITY – 0
WARNING! Harmful if inhaled or swallowed. Causes IRRITATION! Vapors are harmful. Avoid contact with skin, eyes, and clothing. Do not breathe vapors; use with adequate ventilation. Keep container closed.			

Section 4: First Aid Measures

<p>Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.</p> <p>Dermal Exposure: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Seek immediate medical attention.</p> <p>Oral Exposure: If swallowing, seek immediate medical advice.</p> <p>Inhalation Exposure: If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.</p>

Section 5: Fire and Explosion Data

NFPA HEALTH – 2 FLAMMABILITY – 0 REACTIVITY – 0

Firefighters should wear proper protective clothing and self-contained breathing apparatus with full piece operated in positive pressure mode to prevent contact with skin and eyes.

Extinguishing Media: Use water spray, dry chemical powder, or appropriate foam.

Flash Point: N/A

Auto-Ignition Temperature: N/A

Explosion Limits: N/A

Upper: N/A

Section 6: Accidental Release Measures

Procedure(s) of Personal Precaution(s): Wear protective gear.

Methods for Cleaning Up: Ventilate area of leak or spill. Absorb with sand, earth or vermiculite. Carefully sweep up and containerize for proper disposal.

Section 7 : Handling and Storage

Use care when handling. Avoid contact with skin, eyes, and clothing. Store at room temperature.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Mechanical Exhaust

Personal Protective Equipment: Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

Section 9: Physical and Chemical Properties

Physical State:	Liquid	Appearance:	Dark brown to black
Vapor Pressure:	N/A	Vapor Density:	N/A
Evaporation Rate:	N/A	Viscosity:	N/A
Boiling Point:	N/A	Freezing/Melting Point:	N/A
Decomposition Temperature:	N/A	Solubility:	Soluble
Specific Gravity/Density:	N/A		

Section 10: Stability and Reactivity Data

Chemical Stability: Stable at room temperature in closed containers under normal storage and handling conditions.

Hazardous Decomposition Products: Oxides, Oxidants

Hazardous Polymerization: Will not occur

Incompatibilities with other material: Diazonium salts, incompatible with ammonia, powdered metals, alkali metals.

Conditions to Avoid: light and incompatibles.

Section 11: Toxicological Information

Route of exposure: Multiple routes: May cause irritation, corrosive. May be harmful by inhalation, ingestion, or skin absorption.

Conditions Aggravated by exposure: The toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information

Environmental Fate: No information found

Environmental Toxicity: No information found

Section 13: Disposal Considerations

Appropriate method of disposal of substance or preparation: Handled as hazardous waste and sent to an RCRA approved incinerator or disposed of in an RCRA waste facility.

Section 14: Transport Information

DOT: Non-regulated

Section 15: Other Regulatory Information

US Classification and label test

US Statements: Caution: Irritant, corrosive to skin and eyes.

United States Regulatory Information

SARA Listed: No

Canada Regulatory Information

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: no

NDSL: no

Section 16: Other Information:

Last Updated, Verified and Printed: June 17, 2011

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