

03178161 RL 00842173
 00356072
 SCHOOLCRAFT COLLEGE
 RECEIVING DOCK 8AM-4:30PM
 18600 HAGGERTY RD
 LIVONIA, MI 48152-3932

To assist you in complying with the Federal OSHA Hazard Communication Standard, we have enclosed a Material Safety Data Sheet (MSDS) for each hazardous chemical you have purchased from Carolina Biological. A MSDS is only sent when a product is first ordered by a customer, you have not received a MSDS for that chemical within the last year, or if there has been a change in the MSDS.

If you have any questions about a particular MSDS or would like another copy, please call 1-800-227-1150 x6408. Carolina Biological Supply is committed to serving the needs of our customers.

2 The accompanying MSDSs are for order number: 03178161 RL 00842173

MATERIAL SAFETY DATA SHEET

I
 CAROLINA BIOLOGICAL

Revised: 16/07/04
 Replaces: 09/05/00
 Printed: 07/09/05

1. PRODUCT DESCRIPTION

Product Name: Iodine Potassium Iodide
 Product Code(s): 86-9051, 86-9053, 86-9055, 20-2220, 20-2340, 20-2341, 20-2500, 20-2501, 74-6410, 95-7860, 74-6410, 20-6078, B5997, B6080, B6085, 20-2335, 20-6000, 20-6070, 20-2275, 10-1026
 Size: Various
 Chemical Name: N/A
 CAS Number: Does not apply
 Formula: See Section 2
 Synonyms: None known
 Distributor: Carolina Biological Supply Company
 2700 York Road
 Burlington, NC 27215

Chemical Information: 800-227-1150 (8am-5pm (ET) M-F)
 Chemtrec (Transportation Spill Response 24 hours): 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Principle Hazardous Components: Iodine (CAS#7553-56-2) 1%
 Potassium Iodide (CAS#7681-11-0) 2.0%
 TLV and PEL units: Iodide ACGIH-TLV 0.1 ppm ceiling
 OSHA-PEL 0.1 ppm ceiling

3. HAZARD IDENTIFICATION

Emergency Overview: May be harmful if swallowed, inhaled or absorbed through the skin.
 Potential Health Effects:
 Eyes: May cause irritation.
 Skin: May cause irritation.
 Ingestion: May cause gastrointestinal discomfort.
 Inhalation: May cause irritation to respiratory tract.

4. FIRST AID MEASURES

Emergency and First Aid Procedures:
 Eyes - Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.
 Skin - Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder

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contaminated clothing before reuse. Get medical attention if irritation persists.
Ingestion - If swallowed, if conscious, give plenty of water. Immediately call a physician or poison control center. Never give anything by mouth to an unconscious person.
Inhalation - Remove to fresh air. Give oxygen if breathing is difficult; give artificial respiration if breathing has stopped. Keep person warm, quiet, and get medical attention.

5. FIREFIGHTING PROCEDURES

Flash Point(Method Used): No data available

NFPA Rating: None established

Extinguisher Media:

Use dry chemical, CO2 or appropriate foam.

Flammable Limits in Air % by Volume: No data available

Autoignition Temperature: No data available

Special Firefighting Procedures:

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: No data available

6. SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Ventilate area of spill. Eliminate all sources of ignition. Remove all non-essential personnel from area. Clean-up personnel should wear proper protective equipment and clothing. Absorb material with suitable absorbent and containerize for disposal.

7. SPECIAL PRECAUTIONS

Precautions to be Taken in Handling or Storing: Store in a tightly closed container in a cool, dry, well ventilated area.

8. SPECIAL PROTECTION INFORMATION

Respiratory Protection(Specify Type):

A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical(General): Yes

Special: No

Other: No

Protective Gloves:

Rubber, neoprene, PVC, or equivalent.

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Eye Protection:

Splash proof chemical safety goggles should be worn at all times.

Other Protective Clothing or Equipment:

Lab coat, eye wash, and safety shower.

9. PHYSICAL DATA

Molecular Weight: No data available

Melting Point: No data available

Boiling Point: No data available

Vapor Pressure: No data available

Vapor Density(Air=1): No data available

Specific Gravity(H2O=1): No data available

Percent Volatile by Volume: 98%

Evaporation Rate(H2O=1): No data available

Solubility in Water: Miscible

Appearance and Odor: Dark brown liquid with slight characteristic odor of iodine.

10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: No data available

Incompatibility(Materials to Avoid): No data available

Hazardous Decomposition Products: No data available

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

Toxicity Data: Potassium Iodide: ipr-mus LD50: 1117 mg/kg

orl-rat LD50: 1862 mg/kg

Iodine: ihl-rat LC10: 800 mg/m3

orl-rat LD50: 14g/kg

Effects of Overexposure:

Acute: See section 3

Chronic: Potassium Iodide: Mutation and reproductive data cited. No listed as causing cancer by NTP, IARC or OSHA.

Iodine: Mutation and reproductive data cited. Not listed as causing cancer by NTP, IARC or OSHA.

Conditions Aggravated by Overexposure: No data available

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Target Organs: No data available
Primary Route(s) of Entry: No data available

12. ECOLOGICAL DATA

EPA Waste Numbers: Iodine D002

13. DISPOSAL INFORMATION

Waste Disposal Methods: Dispose in accordance with all applicable Federal, State and Local regulations.
Always contact a permitted waste disposer (TSD) to assure compliance.

14. TRANSPORT INFORMATION

Description: Corrosive liquids, n.o.s.(iodine), 8, UN1760, III
30 mL bottle is a small quantity exception.

15. REGULATORY INFORMATION

EPA TSCA Status: On TSCA Inventory
Hazard Category for SARA Section 311/312 Reporting: Acute

Product or Components	SARA EHS	SARA Sec. 313		CERCLA	RCRA
	Sec. 302	Name	Chemical	Sec. 103	Sec.
	TPQ	List	Category	RQ lbs.	261.33
Potassium Iodide	No	No	No	No	No
Iodine	No	No	No	No	No

16. ADDITIONAL INFORMATION

The information provided in this Material Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Material Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material.

Glossary

- ACGIH.....American Conference of Governmental Industrial Hygienists
- CAS Number..Chemical Abstracts Service Number
- CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act
- DOT.....U.S. Department of Transportation

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- IARC.....International Agency of Research on Cancer
- mppcf.....million particles per cubic foot
- N/A.....Not Available
- NTP.....National Toxicology Program
- OSHA.....Occupational Safety and Health Administration
- PEL.....Permissible Exposure Limit
- ppm.....parts per million
- RCRA.....Resource Conservation and Recovery Act
- SARA.....Superfund Amendments and Reauthorization Act
- TLV.....Threshold Limit Value
- TSCA.....Toxic Substances Control Act