

MATERIAL SAFETY DATA SHEET

GRAM IODINE
CAROLINA BIOLOGICAL SUPPLY COMPANY

Revised: 09/05/00
Replaces: None
Printed: 23/08/00

1. PRODUCT DESCRIPTION

Product Name: Gram Iodine
Product Code(s): 82-1050, 86-5861, 86-5863, 86-5865, 89-2301,
89-2305, 15-4708A, 15-4708CA, 15-4724A, 15-4718,
15-4715, B6104G
Size: Various
Chemical Name: Product is mixture
CAS Number: see section 2
Formula: See section 2
Synonyms: None
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

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Extinguisher Media:

Use media suitable to extinguish surrounding fire.

Flammable Limits in Air % by Volume: No information available

Autoignition Temperature: No information available

Special Firefighting Procedures:

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

Unusual Fire and Explosion Hazards: Excessive temperatures may emit toxic and corrosive fumes of iodine.

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 tightly closed in a cool, dry, well ventilated area away from incompatible materials.

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.

Eye Protection:

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

Other Protective Clothing or Equipment:

Lab coat, eyewash, and safety shower.

9. PHYSICAL DATA

| | |
|-----------------------------|--|
| Molecular Weight: | No information available |
| Melting Point: | No information available |
| Boiling Point: | 100 C |
| Vapor Pressure: | 17.535 @ 20 C |
| Vapor Density(Air=1): | No information available |
| Specific Gravity(H2O=1): | 1.0 |
| Percent Volatile by Volume: | 99% |
| Evaporation Rate(H2O=1): | 1 |
| Solubility in Water: | Complete-product is an aqueous solution |
| Appearance and Odor: | Deep amber liquid with slight odor of iodine. |

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10. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: High temperatures or excessive heat

Incompatibility(Materials to Avoid): Contact with ammonia fumes
may cause formation of explosive nitroiodide

Hazardous Decomposition Products: Free Iodine

Hazardous Polymerization: Will not occur

11. TOXICITY DATA

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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 Services Abstract Number

CERCLA.....Comprehensive Environmental Response, Compensation, and Liability Act

DOT.....U.S. Department of Transportation

IARC.....International Agency of Research on Cancer

N/A.....Not Available

NTP.....National Toxicology Program

OSHA.....Occupational Safety and Health Administration