

# **MATERIAL SAFETY DATA SHEET**

GRAM IODINE  
CAROLINA BIOLOGICAL SUPPLY COMPANY

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

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## **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

## **2. COMPOSITION/INFORMATION ON INGREDIENTS**

Principle Hazardous Components:  
Potassium Iodide (CAS# 7681-11-0) 0.67%  
Iodine (CAS#7553-56-2) 0.33%

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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 characteristic 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