

# Flinn Scientific, Inc.

407.00

## MATERIAL SAFETY DATA SHEET

<b>CHEMICAL NAME &amp; SYNONYMS</b> IODINE (resublimed)		<b>FLINN CATALOG NUMBER</b> I0006, I0007, I0008	
<b>FORMULA</b> <p style="text-align: center;">I<sub>2</sub></p>	<b>FORMULA OR ATOMIC WEIGHT</b> <p style="text-align: center;">253.82</p>	<b>CAS NUMBER</b> 7553-56-2	
<b>PHYSICAL DATA (DENSITY, SOLUBILITY, ETC.)</b> Specific gravity: 4.98 Melting Point: 113.5 C Soluble in alcohol and other organic solvents; not in water.			
<b>APPEARANCE AND ODOR</b> Gray-black flakes, metallic luster, characteristic odor.			
<b>COMPATIBLE CHEMICAL FAMILY</b> Inorganic #2 See Flinn Chemical Catalog/Reference Manual	<b>DOT CLASS</b> <p style="text-align: center;">Poison</p>	<b>REACTIVITY</b> <p style="text-align: center;">Stable</p>	
<b>CONDITIONS TO AVOID (IF ANY):</b> Avoid contact with skin, eyes, and mucous membranes. Avoid light, keep from reactive materials. Avoid inhaling vapors. Avoid magnesium, zinc, ammonia, aluminum. Reacts violently with acetaldehyde.			
<b>HEALTH HAZARDS (IF ANY):</b> Highly toxic by ingestion and inhalation. Strong irritant to eyes and skin. Or1-rat LD50: 14 gm/kg. Not all health aspects of this substance have been fully investigated.		<b>THRESHOLD LIMIT VALUE (TLV) IF ESTABLISHED</b> <p style="text-align: center;">0.1 ppm in air</p>	
<b>FIRE HAZARDS (IF ANY):</b> Decomposition releases toxic fumes. Non-flammable.			
<b>SPILLS AND LEAKS:</b> Gather up material in a pile (do not sweep). Place in a suitable container. Use the disposal method listed on the right.		<b>DISPOSAL METHOD</b> <p style="text-align: center;">12a</p> See Flinn Chemical Catalog Reference Manual	
<b>SPECIAL PRECAUTIONS (IF ANY):</b> Wear chemical gloves and goggles. Use and dispense in a hood. Prudent lab practices should be observed.			
<b>FIRST AID (IF SUBSTANCE DANGEROUS):</b> External: Wash affected parts with copious quantities of water. Internal: Wash mouth; see a physician.      Eyes: Wash continuously for 15 minutes. See a physician.			
Consult your copy of the Flinn Chemical Catalog/Reference Manual for even more information about laboratory chemicals			

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Materials listed in this MSDS are classified in accordance with the definitions set forth in 29CFR parts 1915, 1916 and 1917.

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