

IODINE (RESUBLIMED), AR GRADE

SECTION 1: PRODUCT IDENTIFICATION

Product Name: IODINE (RESUBLIMED), AR GRADE

Product Code: 348

CAS#: 7553-56-2

Synonym: Not available.

Chemical Name: Iodine

Chemical Formula: I₂

Formula Weight: 253.81

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name: Iodine (Resublimed)

Toxicological Data on Ingredients: Classification according to Regulation (EC) No 1272/2008:
Not Available

SECTION 3: HAZARDS IDENTIFICATION

Potential Acute Health Effects: Not Available

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Available.

SECTION 4: FIRST AID MEASURES

Eye Contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention immediately.

Skin Contact: immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Thoroughly clean clothes and shoes before reuse.

Serious skin contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.



SECTION 5: FIRE FIGHTING MEASURES

- Flammability of the Product:** Non-flammable.
Flash Points: Not available.
Flammable Limits: Not available.
Products of Combustion: Not available.
Fire Hazards in Presence of Various Substances: Not available.
Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards: Not Available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions and emergency procedures**
Avoid dust formation. Avoid breathing vapours, mist or gas.
Environmental precautions
Do not let product enter drains.
Methods and materials for containment and cleaning up
Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

- Precautions:**
Keep away from heat. Keep away from sources of ignition.
Storage:
Store in cool, dry place in closed containers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection: Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.
Personal Protection in Case of a Large Spill: Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits: Not Available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Physical state and appearance Form** : Solid
Odour : Sharp Characteristic. (Strong.)
Taste : Not available
Molecular Weight : Not available
Colour : Bluish – black.



pH	: Not available
Boiling Point	: 113.7°C
Melting Point	: Not available
Critical Temperature	: Not available
Specific Density	: Not Available
Vapor Pressure	: Not Available
Vapor Density	: Not available
Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Solubility	: Very slightly soluble in cold water, hot water.

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, direct sunlight, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents, reducing agents, metals.

Corrosivity: Extremely corrosive in presence of steel, of stainless steel(304), of stainless steel(316). Non-corrosive in presence of glass, of aluminum, of copper.

Special Remarks on Reactivity: Not Available

Special Remarks on Corrosivity: Not Available.

Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:

LD₅₀: Not Available.

Chronic Effects on Humans: Not available

Other Toxic Effects on Humans: Not Available

Special Remarks on Toxicity to Animals: Not Available

Special Remarks on Chronic Effects on Humans: Not Available

Special Remarks on other Toxic Effects on Humans: Not Available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS



Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

UN number:

ADR/RID: 3495

IMDG: 3495

IATA: 3495

UN proper shipping name

ADR/RID: CORROSIVE MATERIAL

IMDG: CORROSIVE MATERIAL

IATA: CORROSIVE MATERIAL

Transport hazard class (es):

ADR/RID: 8

IMDG: 8

IATA: 8

Packaging group:

ADR/RID: III

IMDG: III

IATA: III

Environmental hazards:

ADR/RID: No

IMDG Marine pollutant: Yes

IATA: No

SECTION 15: OTHER REGULATORY INFORMATION

Regulatory information This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

Chemical Safety Assessment For this product a chemical safety assessment was not carried out

SECTION 16: OTHER INFORMATION

References: Full Text of H & R Statements:

Not available.

Other Special Considerations: Not available.

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