

MATERIAL SAFETY DATA SHEET

METHYL-2-IODOBENZOATE

Section 1 - Chemical Product and Company Identification

MSDS Name: Methyl 2-Iodobenzoate, 99+%
Synonyms: Benzoic acid, 2-iodo-, methyl ester

Section 2 - Composition, Information on Ingredients

CAS#:	Chemical Name	%	EINECS#:
610-97-9	Methyl 2-Iodobenzoate	98% min	210-243-6

Hazard Symbols: XI
Risk Phrases: 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation.

May cause respiratory and digestive tract irritation.

Target Organs: No data found.

Potential Health Effects

Eye: May cause eye irritation. The toxicological properties of this material have not been fully investigated.

Skin: May cause skin irritation. The toxicological properties of this material have not been fully investigated.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. The toxicological properties of this substance have not been fully investigated.

Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

Chronic: Chronic ingestion of iodides during pregnancy has resulted in fetal death, severe goiter, and cretinoid appearance of the newborn. Prolonged exposure to iodides may produce iodism in sensitive individuals. Symptoms could include skin rash, running nose and headache.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 5 - Fire Fighting Measures

General

Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

Extinguishing

Media: Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition

Temperature: Not available

Flash Point: > 110 deg C (> 230.00 deg F)

Explosion

Limits: Lower: Not available

Explosion

Limits: Upper: Not available

NFPA Rating: health: 1; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

General

Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as sawdust. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

Storage: Store under roof at normal storage condition in a tightly closed container away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Methyl 2-Iodobenzoate	none listed	none listed	none listed

OSHA Vacated PELs: Methyl 2-Iodobenzoate: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use

adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Not available Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines

for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Clear liquid
Color: clear yellow
Odor: None reported.
pH: Not available
Vapor Pressure: Not available
Vapor Density: 9.04
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: 272.0 - 274.0 deg C @ 760.00m
Freezing/Melting Point: Not available
Decomposition Temperature: Not available
Solubility in water: insoluble
Specific Gravity/Density: 1.7330g/cm³
Molecular Formula: C₈H₇IO₂
Molecular Weight: 262.04

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.
Conditions to Avoid: Incompatible materials, strong oxidants.
Incompatibilities with Other Materials Not available
Hazardous Decomposition Products Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen iodide. Hazardous Polymerization Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 610-97-9: None listed
LD50/LC50: RTECS: Not available.
Carcinogenicity: Methyl 2-Iodobenzoate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Epidemiology: Not available
Teratogenicity: Not available
Reproductive: Not available
Neurotoxicity: Not available
Mutagenicity: Not available
Other: Not available

Section 12 - Ecological Information

Section 13 - Disposal Considerations

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated as a hazardous material

Hazard Class: UN Number: Packing Group:

Canada TDG

Shipping Name: Not available

Hazard Class: UN Number: Packing Group:

Section 15 - Regulatory Information

US Federal

TSCA

CAS# 610-97-9 is listed on the TSCA

Inventory.

Health & Safety Reporting

List None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules None of the chemicals in this product are under a Chemical Test Rule.

Section 12b None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use

Rule None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous

Substances and

corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302

Extremely Hazardous

Substances

None of the chemicals in this product have a TPQ.

Section 313 No chemicals are reportable under Section 313.

Clean Air Act: This material does not contain any hazardous air pollutants. This material does not contain any

Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of

the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

STATE Methyl 2-Iodobenzoate is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant

Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 610-97-9: Not available

Canada

CAS# 610-97-9 is listed on Canada's NDSL List

Canadian WHMIS Classifications: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations

and the MSDS contains all of the information required by those regulations.

CAS# 610-97-9 is not listed on Canada's Ingredient Disclosure List.

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Section 16 - Other Information

This document is intended only as a guide to the appropriate precautionary handling of material by a person trained in chemical handling. The user is responsible for determining the precautions & dangers of this chemical for his or her particular application depending on usage. Adequate protective clothing, including eye / face guards, approved respirators must be used to avoid contact with the material or breathing chemical vapors / fumes.

Exposure to this product may cause adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, m/s. OMKAR SPECIALITY CHEMICALS LTD. Cannot warn of all of the potential dangers of use or interaction with chemicals of materials. M/s. OMKAR SPECIALITY CHEMICALS LTD. Warrants that, the chemical meets the specifications set forth on the test report.

M/S. OMKAR SPECIALITY CHEMICALS LTD. disclaims any other warranties expressed or implied with regard to the product supplied hereunder its merchantability or its fitness for a particular purpose.

The User Should Recognise That, This Product Can Cause Severe Injury, Especially If Improperly Handled Or The Known Dangers Of Use Are Not Heeded.

“Read All Precautionary Information.”