



# OMKAR Speciality Chemicals Ltd.

## MATERIAL SAFETY DATA SHEET OF IODOFORM

### SECTION 1. PRODUCT IDENTIFICATION

**MSDS Name:** Iodoform  
**Chemical Formula:**  $\text{CHI}_3$   
**Synonym:** -  
**Company Identification:** Omkar Speciality Chemicals Ltd  
B-34, Unit-III, M.I.D.C. Badlapur (E),  
Dist. Thane, 421 503.

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Chemical Name	Percent by Weight
75-47-8	Iodoform	100

### SECTION 3. HAZARD IDENTIFICATION

**Potential Acute Health Effects:** Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects:**

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC

EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

### SECTION 4. FIRST AID

**Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.

**Skin Contact:**

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated



# OMKAR Speciality Chemicals Ltd.

clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**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.

**Serious Inhalation:** Not available.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

## SECTION 5. FIRE AND EXPLOSION

**Flammability of the Product:** Non-flammable.

**Auto-Ignition Temperature:** Not applicable.

**Flash Points:** Not applicable.

**Flammable Limits:** Not applicable.

**Products of Combustion:** Not available.

**Fire Hazards in Presence of Various Substances:** Not applicable.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:** Not applicable.

**Special Remarks on Fire Hazards:** When heated to decomposition it emits toxic fumes of Hydrogen Iodide.

**Special Remarks on Explosion Hazards:** Not available.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Small Spill:**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:**

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.



# OMKAR Speciality Chemicals Ltd.

Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

## SECTION 7. HANDLING AND STORAGE

### Precautions:

Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, alkalis.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

## SECTION 8. PERSONAL PROTECTION/EXPOSURE CONTROLS

### 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:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

### 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:

TWA: 0.6 (ppm) from OSHA (PEL) [United States] TWA: 0.6 (ppm) from ACGIH (TLV) [United States]  
TWA: 0.6 from NIOSH TWA: 10 (mg/m<sup>3</sup>) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state and appearance:** Solid. (Crystalline solid. Powdered solid.)

**Odor:** Characteristic. Disagreeable.

**Taste:** Not available.

**Molecular Weight:** 393.73 g/mole

**Color:** Yellow.

**pH (1% soln/water):** Not available.

**Boiling Point:** 218°C (424.4°F)

**Melting Point:** 119°C (246.2°F)

**Critical Temperature:** Not available.



# OMKAR Speciality Chemicals Ltd.

**Specific Gravity:** 4.008 (Water = 1)

**Vapor Pressure:** Not applicable.

**Vapor Density:** 13.6 (Air = 1)

**Volatility:** Not available.

**Odor Threshold:** Not available.

**Water/Oil Dist. Coeff.:** Not available.

**Ionicity (in Water):** Not available.

**Dispersion Properties:** See solubility in water, diethyl ether, acetone.

## SECTION 10. REACTIVITY/STABILITY

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Incompatible materials

**Incompatibility with various substances:** Reactive with oxidizing agents, alkalis.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:**

Incompatible with calomel, tannin, Balsam Peru, lithium, acetone, alkalis (strong bases), lead salts, oxidizing agents, metallic salts (e.g. Mercuric oxide, Silver nitrate), hexamethylenetetramine.

Decomposes violently @ 400 deg. F (204 deg. C). Decomposes at high temperature with evolution of Iodine.

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:**

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.

Acute oral

toxicity (LD50): 355 mg/kg [Rat]. Acute dermal toxicity (LD50): 1184 mg/kg [Rat]. Acute toxicity of

the dust (LC50): 165 7 hours

[Rat].

**Chronic Effects on Humans:** MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast.

**Other Toxic Effects on Humans:** Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** May affect genetic material (mutagenic)

**Special Remarks on other Toxic Effects on Humans:**

Acute Potential Health Effects: Skin: May cause skin irritation. May cause dermatitis. Eyes: May cause eye irritation.

Inhalation: May cause respiratory tract and mucous membrane irritation. Ingestion: May cause gastrointestinal tract irritation

**Regd. & Corporate Office:** B-34, M.I.D.C., Badlapur (E). Dist. Thane, Maharashtra, India. Pin – 421503

Tel.: + 91-251-269 7340/ 269 0651 Fax: + 91 – 251 – 269 1572 / 269 7347

Email: [omkarchem@vsnl.com](mailto:omkarchem@vsnl.com) / [info@omkarchemicals.com](mailto:info@omkarchemicals.com) Web. : [www.omkarchemicals.com](http://www.omkarchemicals.com)



# OMKAR Speciality Chemicals Ltd.

with nausea, vomiting, and diarrhea. May affect behavior/central nervous system/nervous system (confusion, somnolence, seizures, excitation, tremor, irritability, headache, hallucinations, poor muscle coordination, respiration (dyspnea, respiratory stimulation), cardiovascular system (tachycardia, hypotension) and cause visual disturbances. Chronic Potential Health Effects: Chronic ingestion: Prolonged or repeated ingestion may affect the liver, kidneys, blood

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Not available.

**BOD5 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:** The products of degradation are as toxic as the product itself.

**Special Remarks on the Products of Biodegradation:** Not available.

## SECTION 13. DISPOSAL

**Waste Disposal:**

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

## SECTION 14. TRANSPORTATION

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

## SECTION 15. REGULATORY INFORMATION

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

## SECTION 16 - ADDITIONAL 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 a determine 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.

**Regd. & Corporate Office:** B-34, M.I.D.C., Badlapur (E). Dist. Thane, Maharashtra, India. Pin – 421503

Tel.: + 91-251-269 7340/ 269 0651 Fax: + 91 – 251 – 269 1572 / 269 7347

Email: [omkarchem@vsnl.com](mailto:omkarchem@vsnl.com) / [info@omkarchemicals.com](mailto:info@omkarchemicals.com) Web. : [www.omkarchemicals.com](http://www.omkarchemicals.com)



# OMKAR Speciality Chemicals Ltd.

---

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 recognize that, this product can cause severe injury, especially if improperly handled or the known dangers of use are not heeded.

READ ALL PRECAUTIONARY INFORMATIONS.