



Health	1
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet

Iodophor MSDS

Section 1: Chemical Product and Company Identification

<p>Product Name: Iodophor</p> <p>Catalog Codes: 10803</p> <p>CAS#: 39392-86-4</p> <p>RTECS: Not available</p> <p>TSCA: Not available</p> <p>Synonym: Not available</p> <p>Chemical Formula: Not found</p>	<p>Contact Information:</p> <p>Finar Limited</p> <p>184-186/P, Chacharwadi Vasna, Sarkhej-Bavla Highway, Ta.: Sanand, Dist.: Ahmedabad, Email: info@finarchemicals.com Web: www.finarchemicals.com</p>
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Section 2: Composition and Information on Ingredients

Composition: Name	CAS #	% by Weight
Iodine	7553-56-2	-----

Toxicological Data on Ingredients:

Section 3: Hazards Identification

Eye: Causes eye burns.

Skin: Causes skin burns. May cause an allergic reaction in certain individuals.

Ingestion: Causes gastrointestinal tract burns.

Inhalation: Causes chemical burns to the respiratory tract.

Chronic: Chronic exposure can lead to iodism characterized by headache, excess salivation, nasal discharge, conjunctivitis, laryngitis, bronchitis, stomatitis, enlarged submaxillary glands, and skin rashes. Chronic exposure can affect thyroid function.

Section 4: First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Get medical aid immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration

using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician:

Treat symptomatically and supportively.

Section 5: Fire and Explosion Data

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.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Autoignition Temperature: Not available

Explosion Limits: Lower: Not available Upper: Not available

Flash Point: Not available

NFPA Rating: (estimated) Health: 3; Flammability: 0; Instability: 0

Section 6: Accidental Release Measures

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

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not breathe dust, mist, or vapor. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale. Use only in a chemical fume hood. Discard contaminated shoes.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

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

Chemical Name:	ACGIH	NIOSH	OSHA
Distilled Water	None listed	None listed	None listed
Nonyl phenol ethylene oxide (9 moles)	None listed	None listed	None listed
Phosphoric acid	1 mg/m3 TWA;3 mg/m3 STEL	1 mg/m3 TWA 1000 mg/m3 IDLH	1 mg/m3 TWA;
Iodine	0.1 ppm Ceiling	2 ppm IDLH 0.1 ppm Ceiling; 1 mg/m3 Ceiling	0.1 ppm Ceiling; 1 mg/m3 Ceiling;

OSHA Vacated PELs

Phosphoric acid: 1 mg/m3 TWA

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

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9: Physical and Chemical Properties

Physical State: Liquid
Color: Brown
Odor: No information found
pH: 1 - 2
Vapor Pressure: No information found
Vapor Density: No information found
Evaporation Rate: No information found
Viscosity: No information found
Boiling Point: No information found
Freezing/Melting Point: No information found
Decomposition Temperature: No information found
Solubility in water: No information found
Specific Gravity/Density: 1.01
Molecular Formula: Solution
Molecular Weight: No information found

Section 10: Stability and Reactivity Data

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials

Incompatibilities with Other Materials: Strong reducing agents, active metals, acetaldehyde, acetylene, powdered aluminum, ammonium hydroxide

Hazardous Decomposition Products: Hydrogen iodide, iodine, iodide ions (I⁻)

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

RTECS:

CAS# 7732-18-5: ZC0110000
CAS# 7664-38-2: TB6300000
CAS# 7553-56-2: NN1575000

LD50/LC50:

CAS# 7732-18-5:
Oral, rat: LD50 = >90 mL/kg.
CAS# 7664-38-2:
Draize test, rabbit, eye: 119 mg Severe
Draize test, rabbit, skin: 595 mg/24H Severe
Inhalation, mouse: LC50 = 25.5 mg/m³
Inhalation, rat: LC50 = >850 mg/m³/1H
Inhalation, rat: LC50 = 25.5 mg/m³
Oral, mouse: LD50 = 1.25 gm/kg
Oral, rat: LD50 = 1530 mg/kg
Oral, rat: LD50 = 1.25 gm/kg
Skin, rabbit: LD50 = 2740 mg/kg.
CAS# 7553-56-2:
Oral, mouse: LD50 = 22 gm/kg
Oral, mouse: LD50 = 1000 mg/kg
Oral, rabbit: LD50 = 10 gm/kg
Oral, rat: LD50 = 14 gm/kg.

Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
CAS# 7664-38-2: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
CAS# 7553-56-2: Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology:

No information found

Teratogenicity:

No information found

Reproductive:

No information found

Mutagenicity:

No information found

Neurotoxicity:

No information found

Other:

See actual entry in RTECS for complete information

Section 12: Ecological Information**Ecotoxicity:**

Fish: Pseudomonas putida

Section 13: Disposal Considerations

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 Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P Series Wastes

None of the components are on this list.

RCRA U Series Wastes

None of the components are on this list.

Section 14: Transport Information

	US DOT	Canadian TDG
Proper Shipping Name:	CORROSIVE LIQUID, N.O.S. (Iodine, Phosphoric acid)	CORROSIVE LIQUID, N.O.S. (Iodine, Phosphoric acid)
Hazard Class:	8	8
UN Number:	UN1760	UN1760
Packing Group:	II	II
	USA RQ: CAS# 7664-38-2: 5000 lb final RQ; 2270 kg final RQ	

Section 15: Other Regulatory Information**US Federal****TSCA**

CAS# 7732-18-5 is listed on the TSCA Inventory.

Nonyl phenol ethylene oxide (9 moles) is not listed on the TSCA Inventory. It is for research and development use only.

CAS# 7664-38-2 is listed on the TSCA Inventory.

CAS# 7553-56-2 is listed on the TSCA Inventory.

Health and Safety Reporting List

None of the components are on this list.

Chemical Test Rules

None of the components are on this list.

TSCA Section 12b

None of the components are on this list.

TSCA Significant New Use Rule (SNUR)

None of the components are on this list.

CERCLA Hazardous Substances and corresponding RQs

CAS# 7664-38-2: 5000 lb final RQ; 2270 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the components are on this list.

SARA Hazard Categories

CAS# 7664-38-2: immediate.

CAS# 7553-56-2: immediate, delayed, fire.

SARA Section 313

None of the components are on this list.

Clean Air Act - Hazardous Air Pollutants (HAPs)

None of the components are on this list.

Clean Air Act - Class 1 Ozone Depletors

None of the components are on this list.

Clean Air Act - Class 2 Ozone Depletors

None of the components are on this list.

Clean Water Act - Hazardous Substances

CAS# 7664-38-2 is listed as a Hazardous Substance under the CWA.

Clean Water Act - Priority Pollutants

None of the components are on this list.

Clean Water Act - Toxic Pollutants

None of the components are on this list.

OSHA - Highly Hazardous

None of the components are on this list.

OSHA - Specifically Regulated Chemicals

None of the components are on this list.

US State**State Right to Know**

Phosphoric acid can be found on the following state Right-to-Know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

Iodine can be found on the following state Right-to-Know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

None of the components are on this list.

California No Significant Risk Level

None of the components are on this list.

None of the components are on this list.

None of the components are on this list.

None of the components are on this list.

European/International Regulations**European Labelling in Accordance with EC Directives:**

Hazard Symbols: C

Risk Phrases: R 34 Causes burns.

Safety Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 28A After contact with skin, wash immediately with plenty of water.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

No information found

United Kingdom Occupational Exposure Limits

No information found

United Kingdom Maximum Exposure Limits

No information found

Canadian DSL/NDSL

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 7664-38-2 is listed on Canada's DSL List.

CAS# 7553-56-2 is listed on Canada's DSL List.

Canadian WHMIS Classifications

This product has a WHMIS classification of D2A, E.

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.

Canadian Ingredient Disclosure List

CAS# 7664-38-2 is listed on the Canadian Ingredient Disclosure List.

CAS# 7553-56-2 is listed on the Canadian Ingredient Disclosure List.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/06/2010

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