



# MATERIAL SAFETY DATA SHEET SDS/MSDS

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : Iodophor Disinfectant

Product Code : B-01466

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Industrial & for professional use only.

### 1.3 Details of the supplier of the safety data sheet

Company : BIO-CHEM Chemical  
5455 Nicholson Road, Science Market  
Ambala Cantt, 133001- Haryana  
+9182952 41953  
info@biofinechemical.com - www.biofinechemical.com

### 1.4 Emergency telephone number

Emergency Phone # : +91 99921 51495 (10.00am - 06.30pm) (Office Hours)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Reproductive toxicity (Category 2), H361

Skin corrosion (Category 1B), H314

Eye corrosion (Category 2A), H319

Hazardous to the aquatic environment (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 Label elements

#### Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word

Danger

Hazard statement(s)

H314

Causes severe skin burns and eye damage.

H361

Suspected of damaging the unborn child.

H319

Causes serious eye irritation.

H411

Harmful to aquatic life with long lasting effects.

Precautionary statement(s)	
P201	Obtain special instruction before use.
P260	Do not breathe dust, fume, gas, mist, vapours, spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P308 + P313	IF exposed or concerned: get medical advice.
P305 + P351 + P338	IF IN EYE: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P340 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P405	Store locked up.
P501	Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## 2.3 Other hazards

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixtures

#### Hazardous ingredients according to Regulation (EC) No 1272/2008

Hazardous ingredients according to Regulation (EC) No 1272/2008			
Component		Classification	Concentration
<b>Iodine</b>			
CAS-No.	7553-56-2	Acute tox.4 (Skin); Acute tox.	>= 1 - < 5 %
EC-No.	231-442-4	4(inhal); Aquatic Acute 1;	
Index No.	053-001-00-3	H312, H332, H400	
<b>Nonyl Phenol</b>			
CAS-No.	104-40-5	Skin Corr. 1B; Acute Tox. 4(oral); Aquatic Acute 1; Aquatic Chronic 1; H314, H302, H400, H410;	>= 10 - < 15 %
<b>Phosphoric Acid</b>			
CAS-No.	7664-38-2	Skin Corr. 1B; Eye Dam 1;	>= 1 - < 5 %
EC-No.	231-633-2	H314, H318	
Index-No.	015-011-00-6		
<b>Water</b>			
CAS-No.	7732-18-5		>= 75 - < 99 %
EC-No.	231-791-2		

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.

#### In case of skin contact

Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water.

**In case of eye contact**

Get medical advice. If eye irritation persists : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**If swallowed**

Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth.

**4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms relating to use:** Suspected of damaging the unborn child, Causes severe skin burns and eye damage, Suspected of damaging fertility, Causes serious eye irritation.

**4.3 Indication of any immediate medical attention and special treatment needed**

Never give anything by mouth to an unconscious person. If exposed or concerned: get medical advice.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing media:** Foam, Dry powder, carbon dioxide, water spray, sand.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

**Surrounding fires:** Use water spray or fog for cooling exposed containers.

**5.2 Special hazards arising from the substance or mixture**

Under fire conditions, hazardous fumes will be present. Thermal decomposition generates: Corrosive vapours.

**5.3 Advice for firefighters**

**Protection against fire:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures:** Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

**5.4 Further information**

No data available

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

**For emergency responders:** Equip cleanup crew with proper protection. Ventilate area.

**For non-emergency personnel:** Evacuate unnecessary personnel.

**6.2 Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

**6.3 Methods and materials for containment and cleaning up**

**Clean up methods:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as Possible, Store away from other materials. Collect spillage.

**6.4 Reference to other sections**

See section 8. Exposure controls/personal protection

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

**Handling:** Obtain special instructions before use. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, spray.

**Technical protective measures:** Provide good ventilation in process area to prevent formation of vapour.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:** Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage regulation:** Comply with applicable regulations.

**Storage-away from:** Strong bases, strong acids, sources of ignition, direct sunlight.

**7.3 Specific end use(s)**

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) Appearance	Form: liquid Colour: Bright red
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	3.0 – 4.0
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	1.01 g/ml at 20°C

n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

## 9.2 Other safety information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5 Incompatible materials

Strong acids, Strong bases.

### 10.6 Hazardous decomposition products

Fumes, Carbon monoxide, Carbon dioxide. Thermal decomposition generates: Corrosive vapours.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Phenol)

#### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available

## Additional Information

RTECS: Not available

### SECTION 12: Ecological information

#### 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

#### 12.2 Persistence and degradability

May cause long-term adverse effects in the environment.

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

#### 12.6 Other adverse effects

**Environmental precautions:** Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

##### Contaminated packaging

Dispose of as unused product.

### SECTION 14: Transport information

#### 14.1 UN number

ADR/RID: 1760

IMDG: 1760

IATA: 1760

#### 14.2 UN proper shipping name

ADR/RID: CORROSIVE LIQUID, TOXIC, N.O.S.

IMDG: CORROSIVE LIQUID, TOXIC, N.O.S.

IATA: Corrosive liquid, toxic, n.o.s.

#### 14.3 Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

#### 14.4 Packaging group

ADR/RID: II

IMDG: II

IATA: II

#### 14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

#### 14.6 Special precautions for user

No data available

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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

#### 15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

### SECTION 16: Other information

**Full text of H-Statements referred to under sections 2 and 3.**

H302

Harmful if swallowed.

H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.