



I800 – Iodophor Rinse

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

| | |
|--|---|
| Identification of Preparation: | I800 |
| Date of Safety Data Sheet: | February 24, 2020 |
| Use of Preparation: | Iodine Rinse |
| Company Identification: | Trichem Solutions Inc. 7506 Bath Road Mississauga, Ontario L4T 1L2 OFFICE: 905-672-8686 |
| Company Emergency Telephone Number | Emergency Phone: 905-672-8686 |
| Transportation Emergency Telephone Number | CANUTEC 613-996-6666 or * 666 for cell phone |

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA / WHMIS 2015 Hazards

Classification of substance or mixture

GHS-US/Canadian classification:

GHS Hazards

Corrosive to Metal Category 1 H290

Skin Corrosive Category 1B H314

Eye Damage Category 1 H318

Specific target organ toxicity (single exposure) : Category 3

Label Elements

GHS-US/ Canada Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger

Hazard Statements (GHS):

H290 – May be corrosive to metals.

H302 – Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H318 – Causes serious eye damage.



I800 – Iodophor Rinse

Precautionary Statements (GHS):

P260: Do not breathe mist, spray, and vapours.

P264: Wash exposed skin thoroughly after handling.

P280: Wear face protection, protective clothing, protective gloves, and eye protection.

Response Statements (GHS):

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

P310: Immediately call a POISON CENTRE or doctor/physician.

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents / container in accordance with local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

| Ingredient | CAS# | % by Wt | Classification |
|------------|-----------|---------|---|
| Iodine | 7553-56-2 | 0-10 | Skin Corrosion Category 1B – H314 Serious Eye Damage/Irritation Category 2A – H318 |

4. FIRST AID MEASURES

| | |
|----------------------------|---|
| Inhalation: | Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician. |
| Eye Contact: | Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. Immediately call a POISON CENTRE or doctor/physician. |
| Skin Contact: | Thoroughly wash exposed skin with water. Remove any contaminated clothing and wash before reuse. |
| Ingestion: | Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Immediately call a POISON CENTRE or doctor/physician. |
| Notes to Physician: | Treatment based on judgment of attending physician. Gastric lavage is not recommended. |



I800 – Iodophor Rinse

Most Important symptoms and effects, both acute and delayed: Caustic burns/corrosion to the skin. Dry/red skin.
Corrosion of the eye tissue.
Nausea. Abdominal pain. Blood in vomit. Burns to gastric/intestinal mucous.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray for extinguishing agent. CO₂, dry chemical, alcohol resistant foam, sand.

Unsuitable extinguishing media: None known. Do not use a heavy stream of water

Special exposure hazards Thermal decomposition releases corrosive vapours. Decomposes on exposure to temperature rise.

Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

Fire and explosion Not flammable. Not an explosive hazard.

Further information Keep containers and surrounding cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters

Methods and Material for Containment and Cleaning Up:

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Do not breathe mist, vapours, spray.

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.



I800 – Iodophor Rinse

Information about fire and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage: Oxidizers, reducing agents, strong bases and metals.

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Protect from humidity and water.

Unsuitable material for receptacle: steel.

Unsuitable material for receptacle: aluminium.

Information about storage in one common storage facility:

Do not store together with alkaline products, oxidizers or reducing agents.

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well-ventilated area.

Keep container tightly sealed.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate Engineering

Controls:

Engineering Measures Showers. Eyewash Stations. Ventilation Systems.

Individual Protection Measures:

Respiratory protection: Use local exhaust or dilution ventilation.

Hand protection: Chemical resistant gloves.

Eye protection: Safety goggles or full face shield.

Skin protection: Use body-covering impervious clothing.

Working hygiene: Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Exposure Guidelines:

| | |
|-------------------------|------------------------------|
| Iodine 7553-56-2 | ACGIH TWA 0.01 ppm |
| | ACGIH STEL 0.1 ppm |
| | OSHA PEL (TWA) 0.1 ppm |
| | Ceiling: 1 mg/m ³ |
| | NIOSH IDLH 2ppm |



I800 – Iodophor Rinse

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| <u>Property</u> | <u>Values</u> | <u>Odour</u> | <u>Remarks/Method</u> |
|-----------------------------------|-----------------------------|------------------------|-----------------------|
| Physical State | Liquid | | |
| Appearance | Clear liquid. | Odour | Typical. |
| Colour | Drak Brown. | Odour Threshold | No data available. |
| pH | 1.5 | | |
| Melting/Freezing Point | No data available | | |
| Boiling Point/Range | No data available | | |
| Flash Point | Not applicable. | | |
| Evaporation Rate | Similar | | |
| Flammability (solid, gas) | Not flammable | | |
| Flammability Limit in Air: | Not flammable | | |
| Upper Limit | No data available | | |
| Lower Limit | No data available | | |
| Vapour Pressure | No data available | | |
| Vapour density | No data available | | |
| Specific Gravity | 1.03-1.05 g/cm ³ | | |
| Water Solubility | Soluble in water. | | |
| Solubility Other Solvents | No data available | | |
| Partition Coefficient: | | | |
| n-octanol/water | No data available | | |
| Autoignition temperature | No data available | | |
| Decomposition | No data available | | |
| Temperature | | | |
| Kinematic Viscosity | No data available | | |
| Dynamic Viscosity | No data available | | |
| Explosive Properties | No data available | | |
| Oxidizing Properties | No date available | | |
| <u>Other Properties:</u> | | | |
| Softening Point | No data available | | |
| VOC Content % | No data available | | |
| Particle Size | No data available | | |
| Particle Size Distribution | No data available | | |



I800 – Iodophor Rinse

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity | Violent exothermic reaction with (some) bases. Violent to explosive reaction with many compounds e.g.: with (strong) oxidizers and with (strong) reducers. |
| Chemical stability | Stable under recommended handling and storage conditions (see section 7). |
| Thermal decomposition/conditions to avoid: | No decomposition if used and stored according to specifications. |
| Possibility of hazardous reactions | Not established. |
| Conditions to avoid | Direct sunlight. Extremely high or low temperatures. Contact with metallic substances. |
| Hazardous decomposition products | Carbon oxides (CO, CO ₂). Sodium oxides. Carbon monoxide. Carbon dioxide. Thermal decomposition generates: corrosive vapours. |
| Materials to avoid | Reducing agents. Strong acids. Strong bases. Cyanides |
| Hazardous polymerization | Will not occur |

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: Harmful if swallowed.

LD/LC50 values relevant for classification:

Iodine CAS# 7553-56-2:

LD50 (Oral, rat): 4000 mg/kg

LC50 : 137 ppm

On the skin: Causes severe skin irritation and eye damage. (PH: 1.26-1.28).

On the eye: Causes serious eye damage. (PH: 1.26-1.28)

Respiratory or Skin Sensitization: Not classified.

Additional toxicological information:

Carcinogenicity:

Chemical Name: none

12. ECOLOGICAL INFORMATION

| | |
|---------------------------------------|-----------------------------------|
| Toxicity: | Not available |
| Persistence and Degradability: | Not available |
| Bioaccumulative Potential: | Not available |
| Mobility in Soil: | Not available |
| Other Adverse Effects | Not available |
| Other Information: | Avoid release to the environment. |



I800 – Iodophor Rinse

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

Canadian T.D.G.: Regulated Material

Proper Shipping Name: Corrosive Liquid , acidic, inorganic N.O.S

Contains: Iodine

Hazard Class: 8

ID Number: UN 3264

Packing



US DOT: Regulated material

Proper Shipping Name: Corrosive Liquid , acidic, inorganic N.O.S

Contains: Iodine

Hazard Class: 8

ID Number: UN 3264

Packing Group: III





I800 – Iodophor Rinse

Water Transportation (IMDG): Regulated Material

Proper Shipping Name: Corrosive Liquid , acidic, inorganic N.O.S

Contains: Iodine

Hazard Class: 8

ID Number: UN 3264

Packing



Air Transportation (IATA): Regulated Material

Proper Shipping Name: Corrosive Liquid , acidic, inorganic N.O.S

Contains: Iodine

Hazard Class: 8

ID Number: UN 3264

Packing



15. REGULATORY INFORMATION

Occupational Health & Safety Regulations:

WHMIS 1988 Classification: Class D - Division 2B, Class E



OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).



I800 – Iodophor Rinse

International Inventories

| | |
|----------------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

California Proposition 65

This product does not contain any Proposition 65 chemicals.

HMIS III Rating

Health: 3 Serious Hazard

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

SDS US (GHS HazCom 2012 and WHMIS 2015)



I800 – Iodophor Rinse

16. OTHER INFORMATION

Prepared By: Trichem Solutions Inc.
7506 Bath Road
Mississauga, Ontario
L4T 1L2
905-672-8686

Issuing Date: February 24, 2020

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet