



SAFETY DATA SHEET IODOKLENE

Revision Number 6, Revision Date 2021.03.15

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name	IODOKLENE
Manufacturer and Supplier	CHEM CLEAN LTD
Address:	#58-60 Century Drive Trincity Industrial Estate Macoya Trinidad and Tobago
Telephone Number	(868)-223-2436
Website:	www.chemclean.solutions
Recommended use:	Iodine Based Sanitizer
Restriction on use:	For specific intended-use guidance, please refer to the information provided on the package or Product Data Sheet.

2. HAZARDS IDENTIFICATION

GHS Classification

Skin and eye irritation: Category 2A

GHS Label element

Hazard pictograms:



Signal Word:	Warning
Hazard Statements:	Harmful if swallowed. Causes serious eye and skin irritation
Precautionary Statements:	P102: Keep out of reach of children. P103: Read label before use.

IODOKLENE

Prevention Precautionary Statements:	P233: Keep container tightly closed.
Response Precautionary Statements:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists, get medical advice/attention. IF ON SKIN: Immediately remove all contaminated clothing. If a rash appears, get medical advice/attention.
Storage Precautionary Statements:	Store in a closed container in a cool, dry place away from sunlight.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	CHEMICAL NAME	CONCENTRATION (%)
Proprietary	Iodine (from complex)	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

Skin Contact	<ul style="list-style-type: none">◆ Immediately remove contaminated clothing and wash before reuse.◆ Immediately flush skin with plenty of cool water for at least 15 minutes. Wash skin with soap and water.◆ If rash appears seek medical attention.◆ Would not irritate in diluted solution
Eye Contact	<ul style="list-style-type: none">◆ Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.◆ Check for and remove any contact lenses if applicable.◆ Continue to rinse for at least 15 minutes. If irritation persists, get medical attention.
Inhalation	<ul style="list-style-type: none">◆ If affected, move to fresh air and keep at rest in a position comfortable for breathing.◆ If not breathing, give artificial respiration.◆ Immediate medical attention is required.
Ingestion	<ul style="list-style-type: none">◆ Wash out mouth with water. Remove dentures if any.

IODOKLENE

	<ul style="list-style-type: none"> ◆ Remove victim to fresh air and keep at rest in a position comfortable for breathing. ◆ If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. ◆ Do not induce vomiting unless directed to do so by medical personnel. ◆ If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. ◆ Never give anything by mouth to an unconscious person. ◆ If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	<ul style="list-style-type: none"> ◆ Use CO₂, water spray, foam or dry chemical.
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> ◆ Avoid high volume jet water as this will spread fire.
Specific Hazards	<ul style="list-style-type: none"> ◆ Cool exposed containers with water spray to prevent pressure build-up. ◆ Must wear NIOSH approved self-contained breathing apparatus and protective clothing.
Special exposure hazards arising from the substance, or preparation itself, its combustion products or released gases	<ul style="list-style-type: none"> ◆ Product will not burn.
Special Protective Equipment for fire-fighters	<ul style="list-style-type: none"> ◆ As in any fire, wear NIOSH approved self-contained breathing apparatus and full protective gear.
Specific Methods	<ul style="list-style-type: none"> ◆ Cool containers / Tanks with water spray. ◆ Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	<ul style="list-style-type: none"> ◆ Do not inhale mist, do not get in eyes or on skin and do not swallow. ◆ Use of goggles or face shield when handling concentrate.
Environmental Precautions	<ul style="list-style-type: none"> ◆ Dilute and neutralize waste very carefully and discharge in accordance with Government Regulations.
Methods for cleaning up	<ul style="list-style-type: none"> ◆ Small spills: Wash down with large quantities of water in sanitary sewer

	<ul style="list-style-type: none"> ◆ Large spills: Dike to prevent runoff. Reclaim as much as possible. Absorb remainder with inert material (sand or vermiculite) and place in compatible container for disposal. Neutralize iodine with sodium thiosulphate solution or sodium sulphite. Flush residue with large amounts of water into sanitary sewer.
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7. HANDLING AND STORAGE

Handling

Safe Handling Advice	<ul style="list-style-type: none"> ◆ Wash hands immediately after contact to avoid hand-eye transfer.
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Storage

Technical Measures/Precautions	<ul style="list-style-type: none"> ◆ Keep containers tightly closed in a cool, dry area. ◆ Store in properly labeled containers. ◆ Do not contaminate water, food or feed. ◆ Do not reuse empty containers – they may contain residues. ◆ Do not mix with anything but water.
Incompatible Products	<ul style="list-style-type: none"> ◆ Do not mix with alkaline materials ◆ Do not mix with chlorine containing cleaners ◆ Do not mix with peroxides or reducing agents ◆ Avoid contact with metals except as directed on label
Specific use(s)	<ul style="list-style-type: none"> ◆ Sanitizing vegetables ◆ Sanitizing Dairy and Food Equipment ◆ Virus Disinfection

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

<u>Engineering Measures</u>	<ul style="list-style-type: none"> ◆ The use of local exhaust ventilation is not normally required ◆ Use corrosion-resistant ventilation equipment
<u>Personal Protective Equipment</u>	
Hand Protection	<ul style="list-style-type: none"> ◆ Neoprene or rubber gloves
Eye Protection	<ul style="list-style-type: none"> ◆ Tightly fitting chemical splash goggles ◆ Safety eyebath nearby
Respiratory Protection	<ul style="list-style-type: none"> ◆ In case of insufficient ventilation, wear NIOSH approved respiratory equipment
Skin and Body Protection	<ul style="list-style-type: none"> ◆ Use chemical protective clothing for repeated or prolonged contact ◆ Coveralls, apron, gloves, boots should be worn
Hygiene Measures	<ul style="list-style-type: none"> ◆ Keep away from food, drink and feed ◆ When using, do not eat, drink or smoke ◆ Regular cleaning of equipment, work area and clothing ◆ Wear suitable gloves and eye/face protection

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Dark Brown
Odor	Odourless
Molecular Wt.	N/A
pH (100%)	2.5 – 3.5
Boiling pt	N/A
Specific gravity	1.030- 1.060
Viscosity (CSTS)	Not specified
Solubility in water	100%
Vapor Pressure	N/A
Vapor Density (AIR=1)	N/A
Evaporation Rate (WATER:1)	N/A
Freezing Point	N/A
Volatile Organic Compounds	N/A

10. STABILITY AND REACTIVITY

Stability	◆ Stable under normal conditions
Conditions to avoid	◆ None known
Materials to avoid	◆ Alkaline materials ◆ Chlorine containing cleaners ◆ Peroxides ◆ Reducing agents ◆ Metals (except as directed on label)
Hazardous Decomposition Products	◆ May release toxic iodine fumes and phosphorus oxides with high heat. ◆ At normal conditions, no hazardous decomposition products
Polymerization	◆ Will not occur

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: eye and/or skin contact, ingestion, inhalation

Potential Health Effects:

Eyes: Severe eye damage. Undiluted product is corrosive to eyes.

Skin: Prolonged contact with concentrate can cause severe irritation or burns. Not irritating in dilute solution.

Inhalation: Mist may cause irritation of nose and throat.

Ingestion: Can cause irritation, swelling and tissue damage to mouth, throat and esophagus.

Chronic exposure: Health injuries are not known or expected under normal use.

Acute inhalation toxicity: No data available

Skin corrosion/toxicity: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available

Carcinogenicity: No data available

Reproductive effects: No data available

Germ cell mutagenicity: No data available

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations.

Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues/Unused products	Do not discharge into lakes, streams, ponds or public waterways unless in accordance with Government Regulations. Consult the Environmental Protection Agency before disposing of any chemicals. Refer to the Environmental Management Authority (EMA) for complete waste disposal regulations.
Contaminated Packaging	Empty containers should be taken for recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

This product is not classified as dangerous according to international transport regulations (DOT, ADR, IMDG or IATA).

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

The information in the Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, we assume no liability resulting from use of SDS information.

End of Safety data sheet