

7% Iodine XD
Section 1. Chemical Product and Company Information

Product Name : 7% Iodine XD
 Other means of identification : Not applicable
 Recommended Use : Topical antiseptic
 Restrictions on Use : Reserved for industrial and professional use.

Supplier Information : AgroChem Inc.
 26 Freedom Way
 Saratoga Springs, NY 12866
 (518) 226-4850

Product Dilution : Ready-to-use

Date of issue : 8/06/2018

EMERGENCY HEALTH INFORMATION : 1 (800) 424-9300
 Outside United States and Canada CALL: +1 (703) 741-5500

Section 2. Hazards Identification

GHS Classification	Category
Skin Sensitization	: 1
Reproductive Toxicity	: 1A
Serious Eye Damage / Eye Irritation	: 2A
Hazardous to the aquatic environment	: 3
Flammable Liquid	: 3

GHS Label Element

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Flammable liquid and vapor. May cause an allergic skin reaction. Causes serious eye irritation. May damage fertility or the unborn child. Toxic to aquatic life.

Precautionary Statements :

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. No Smoking
 P223: Keep container tightly closed

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P240: Ground/Bond container and receiving equipment
P241: Use explosion-proof electrical/ventilating/lighting equipment
P242: Use only non-sparking tools
P243: Take precautionary measures against static discharge
P280: Wear protective gloves/eye protection/face protection
P264: Wash thoroughly after handling
P273: Avoid release to the environment

Response:

EYE CONTACT: If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists or blurred vision occurs.

SKIN CONTACT: Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.

INHALATION: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

INGESTION: If product is swallowed, immediately call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Other hazards

: None Known

Section 3. Composition / Information on Ingredients

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration (%)
Iodine	7553-56-2	7.0
2-Propanol	67-63-0	2.39

Section 4. First Aid Measures

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

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- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.

See toxicological information (Section 11)

Section 5. Fire-Fighting Measures

- Suitable extinguishing media : Use dry chemical, CO₂ or appropriate foam
Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Fire or excessive heat may produce hazardous decomposition products. This product is a flammable liquid.
Explosion Sensitivity to Mechanical Impact: No
Explosion Sensitivity to Static Discharge: Yes
- Hazardous combustion products : Carbon dioxide, Carbon monoxide, Iodine and Iodine Compounds
Special protective equipment for fire-fighters : Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.
- Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Section 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for : Stop leak if safe to do so. Contain spillage, and then collect with

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containment and cleaning up non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section 7. Handling and Storage

Advice on safe handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required. Keep container tightly closed in a cool, well-ventilated place. Keep away from oxidizing materials and strong acids. Bond and ground containers when transferring liquid.

Conditions for safe storage Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Storage temperature -30 °C to 50 °C

Section 8. Exposure Controls / Personal Protection

Ingredients	CAS-No.	ACGIH		OSHA PEL	
		(TWA)	(STEL)	(TWA)	(STEL)
Iodine	7553-56-2	0.01 ppm TWA (inhalable fraction and vapor)	0.1 ppm STEL (aerosol and vapor)	0.1 ppm	

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

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Eye protection	: Safety goggles / face protection
Hand protection	Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection	: Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Respiratory protection	: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Section 9. Physical and Chemical Properties

Appearance	: Liquid
Color	: Dark brown
Odor	: Iodine
pH	: No data available
Flash point	: 12.78°C (55°F)
Odor Threshold	: No data available
Auto Ignition Temperature	: 422°C (791.6°F)
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Evaporation Rate	: No data available
Flammability (solid, gas)	: flammable
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available
Relative density	: < 1
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Autoignition temperature	: No data available

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Thermal decomposition	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Molecular weight	:	No data available
VOC	:	No data available

Section 10. Stability and Reactivity

Reactivity	:	Not generally reactive under normal conditions.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Will not occur
Conditions to avoid	:	Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. Exposure to light. Elevated temperatures
Incompatible materials	:	Organic Peroxides, Strong acids, Oxidizing materials, Water-reactive materials, Strong oxidizing agents, Metals (ferrous), Acetaldehydes, Rust, Strong reducing agents, Magnesium, Sulfur, Rubber, Plastics, Halogens.
Hazardous decomposition products	:	Iodine and Iodine Compounds, Carbon dioxide, Carbon monoxide

Section 11. Toxicological Information

Information on likely routes of exposure	:	Inhalation, Ingestion, Eye contact, Skin contact
Symptoms	:	Respiratory Irritation, Dermatitis, Central Nervous System Depression, Dizziness, Hyperthyroidism, Respiratory disorders, Eye disorders, Allergies, Impaired Kidney Function, Cardiovascular system, Central Nervous System Disorders, Pulmonary Edema, Headache, Iodism
Potential Health Effects	:	
Eyes	:	Causes serious eye damage.
Skin	:	Causes skin irritation.
Ingestion	:	Causes digestive tract burns.
Inhalation	:	May cause nose, throat, and lung irritation.
Chronic Exposure	:	Health injuries are not known or expected under normal use.

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Experience with human exposure	:	
Eye contact	:	Redness, Pain, Corrosion
Skin contact	:	Redness, Pain, Corrosion
Ingestion	:	Corrosion, Abdominal pain
Inhalation	:	Respiratory irritation, Cough
Toxicity	:	No data available
Acute oral toxicity	:	No data available
Acute inhalation toxicity	:	No data available
Acute dermal toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitization	:	No data available
Carcinogenicity	:	Not carcinogenic
Mutagenicity	:	No evidence of a mutagenic effect
Teratogenicity	:	Evidence of a teratogenic effect (birth defect).
Sensitization:	:	Evidence of a sensitization effect.
Reproductive:	:	Evidence of negative reproductive effects.
Target Organ Effects	:	
	Acute	: Central Nervous System, Eyes
	Chronic	: Thyroid, Eyes

Section 12. Ecological Information

Overview	:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife
Environmental Effects	:	This product has no known ecotoxicological effects.
Persistence and degradability	:	Dissolved into water, Biodegradation, Adsorbs to sediment, evaporates into atmosphere.
Bioaccumulative potential	:	Bioconcentration is not expected to occur
Mobility in soil	:	This material is expected to have moderate mobility in soil. It absorbs to most soil types.
Other adverse effects	:	Combines with organics, forming new compounds.
	2-Propanol	: 96 HR LC50 LEPOMIS MACROCHIRUS > 1400000 µG/L 96 HR LC50 PIMEPHALES PROMELAS 11130 MG/L [STATIC] 48 HR EC50 DAPHNIA MAGNA 13299 MG/L 72 HR EC50 DESMODESMUS SUBSPICATUS > 1000 MG/L

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96 HR EC50 DESMODESMUS SUBSPICATUS > 1000 MG/L
Iodine : No data available

Section 13. Disposal Considerations

- Disposal methods : Dispose in accordance with all applicable Federal, State and Local regulations. Always contact a permitted waste disposer (TSD) to assure compliance.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.
- RCRA - Resource Conservation and Recovery Authorization Act Hazardous waste : If discarded, this product is considered a RCRA ignitable waste, D001.

Section 14. Transport Information

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

US DOT, IATA, IMO, ADR:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows:

NOTE: 16 and 32 oz quantities may be shipped under limited quantity exception per 49 CFR 173.150

14.1 PROPER SHIPPING NAME: Isopropanol solution

14.2 HAZARD CLASS NUMBER and DESCRIPTION: Class 3 Flammable liquid

14.3 UN IDENTIFICATION NUMBER: UN 1219

14.4 PACKING GROUP: PGII

14.5 DOT LABEL(S) REQUIRED: Flammable liquid Class 3

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: 129

RQ QUANTITY: None

14.6 MARINE POLLUTANT: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

14.7 SPECIAL PRECAUTIONS FOR USER:

None

14.8 INTERNATIONAL TRANSPORTION:

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is considered as dangerous goods.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is considered as dangerous goods.

14.9 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND IBC CODE:

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is considered by the United Nations Economic Commission for Europe to be dangerous goods.

Section 15. Regulatory Information**15.1 UNITED STATES REGULATIONS:**

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U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

SARA 313 Reporting: Alcohol CAS# 67-63-0 70%

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory or are exempted from listing.

OTHER U.S. FEDERAL REGULATIONS: None

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): Ingredients within this product are not on the Proposition 65 Lists.

15.2 CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: The components of this product are on the DSL Inventory, or are exempted from listing.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Complies with WHMIS 2015.

15.3 EUROPEAN ECONOMIC COMMUNITY INFORMATION:

This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for full Details.

15.4 AUSTRALIAN INFORMATION FOR PRODUCT: The components of this product are listed on the International Chemical Inventory list.

15.5 JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

JAPANESE ENCS INVENTORY: The components of this product are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW: No component of this product is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.

15.6 INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed

Australian Inventory of Chemical Substances (AICS):

Listed Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

Swiss Giftlist List of Toxic Substances: Listed

U.S. TSCA: Listed

Flammability

Health

HMIS III:

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Reactivity

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = Not Significant, 1 = Slight
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Other

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