

MATERIAL SAFETY DATA SHEET

Iodine Monochloride Soln. Wijs Solution

SECTION 1 . Product and Company Identification

Product Name and Synonym: Iodine Monochloride Soln. Wijs Solution

Product Code: 4830

Material Uses:

Manufacturer:

Science Stuff
1104 Newport Ave

Austin, TX 78753
(512) 837-6020

Entry Date : 6/7/2013

Print Date: 6/7/2013

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	3
Flammability:	2
Reactivity:	0

Hazard Rating:
Least Slight Moderate High Extreme
0 1 2 3 4
NA=Not Applicable NE=Not Established

SECTION 2 HAZARD IDENTIFICATION

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Acetic Acid, Glacial	CAS# 64-19-7	Balance	V/V	10 ppm OSHA TWA, 15 ppm OSHA STEL
<input type="checkbox"/>	Chloramine - T Hydrate 98%	CAS# 149358-73-6	2.82%	W/V	
<input type="checkbox"/>	Potassium Iodide	CAS# 7681-11-0	1.66%	W/V	TXDS: orl-hmn LDLo: 1862 mg/Kg

SECTION 4 FIRST AID MEASURES

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

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SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire / Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back.

Fire Fighting Procedure: Use water spray to cool fire exposed containers.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with inert material, then place in a chemical waste container. Neutralize with a weak base.

SECTION 7 HANDLING AND STORAGE

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: NIOSH Approved Gloves

Eye Protection: Goggles and Face Shield

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	~17°C	Percent Volatile by Volume:	~95%
Boiling Point:	~118°C	Evaporation Rate	~1.34
Vapor Pressure:	~11mm Hg @ 20°C	Evaporation Standard	Butylacetate =1
Vapor Density:	2	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	~4.0%
Appearance /Odors:	Dark brown liquid, sharp vinegar odor	Upper Flamm. Limit in Air	~19.9%
Flash Point:	~41°C		
Specific Gravity:	~1.0514		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable

Conditions to Avoid: Avoid contact with heat, sparks, flames, and incompatible materials.

Materials to Avoid: strong bases, oxidizable materials

Hazardous Decomposition Products: Toxic fumes of: Carbon Monoxide, Carbon Dioxide

Hazardous polymerization: Will Not Occur

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Conditions to Avoid: None known

SECTION 11 Toxicological Information

SECTION 12 Ecological Information

SECTION 13 Disposal Considerations

SECTION 14 Transport Information

DOT Classification: UN2920, Corrosive liquid, flammable n.o.s.
(Acetic Acid, Iodine Monochloride), 8, (3), PG
II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

SECTION 15 Regulatory Information

SECTION 16 Additional Information

Conditions aggravated/target organs: Corrosive! Persons with pre-existing skin, eye and respiratory conditions will be more susceptible. Acute: Severe irritation or burns to skin, eyes, respiratory tract, GI tract. Chronic: Dermatitis, eye damage, lung damage.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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