

# MATERIAL SAFETY DATA SHEET

Alkaline-Iodide Soln APHA Winkler Method

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Alkaline-Iodide Soln APHA Winkler Method  
Product Code: 0180  
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:	0
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4 NA=Not Applicable NE=Not Established	

## SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Potassium Iodide	CAS# 7681-11-0	15%	W/V	TXDS: orl-hmn LDLo: 1862 mg/Kg
<input checked="" type="checkbox"/>	Sodium Azide (Sodium Trinitride)	CAS# 26628-22-8	1%	W/V	ACGIH (C) 0.11 ppm (0.29 mg/mf)
<input checked="" type="checkbox"/>	Sodium Hydroxide	CAS# 1310-73-2	50%	W/V	OSHA PEL 2 mg/mf ACGIH 2mg/mf
<input type="checkbox"/>	Water, Deionized ASTM Type II	CAS# 7732-18-5	Balance	V/V	None Established

## SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. if irritation persists, seek medical attention.

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: Thermal decomposition produces highly toxic fumes.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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

**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: Wear appropriate gloves to prevent skin exposure

Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	Information not available	Percent Volatile by Volume:	~45%
Boiling Point:	Information not available	Evaporation Rate	Information not available
Vapor Pressure:	Information not available	Evaporation Standard	Not Applicable
Vapor Density:	Information not available	Auto Ignition Temp	Information not available
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Information not available
Appearance /Odors:	Colorless, odorless liquid	Upper Flamm. Limit in Air	Information not available
Flash Point:	Information not available		
Specific Gravity:	>1		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable

Conditions to Avoid: Avoid contact with incompatible materials.

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Materials to Avoid: Acids, acid chlorides, metals, oxidizers, halogenated solvents  
Hazardous Decomposition Products: Nitrogen oxides, iodine compounds, metal azides  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: UN1760, Corrosive liquids, n.o.s. (Sodium Hydroxide), 8, 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**

Corrosive! Toxic! Conditions aggravated: Persons with preexisting skin, eye or respiratory disorders may be more susceptible. Acute: Severe irritation or burns to skin, eyes, mucous membranes, respiratory and GI tracts. May be fatal by ingestion or inhalation. Chronic: Dermatitis, damage to eyes, central nervous system, genetic material. Target organs: Nerves, heart, brain.

Flammability

Health

Reactivity

Revisions

NFPA

0.2
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