

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078363361

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

078088855 078093615

# Purdue Products L.P.

## Material Safety Data Sheet

**Betadine<sup>®</sup> Solution**

**(10% povidone iodine)**

**Reviewed: 8-May-13**

### 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

**Material Identification:** Betadine<sup>®</sup> Solution (10% povidone iodine)

**Chemical Name**

1-ethylenyl-2-pyrrolidinone homopolymer compound with iodine

**Synonyms**

PVP-I

**Molecular Formula:** (C<sub>6</sub>H<sub>9</sub>I<sub>2</sub>NO)<sub>n</sub> · I<sub>x</sub>

**Molecular Weight:** not available

**CAS Number:** 25655-41-8

**Product Use:** topical microbicide

**Company Identification**

**Manufacturer**

Purdue Products L.P.  
One Stamford Forum  
201 Tresser Boulevard  
Stamford, CT 06901-3431  
Telephone: (888) 726-7535

**EMERGENCY CONTACT**

Chemtrec (800) 424- 9300. For all international transportation emergencies call Chemtrec collect at (703) 527-3887.

### 2. HAZARDOUS COMPONENTS

<u>Material</u>	<u>CAS Number</u>	<u>%</u>
1-ethenyl-2-pyrrolidinone homopolymer compound with iodine	25655-41-8	10
contains either of the following:		
glycerin	56-81-5	
pareth 25-9	68131-39-5	

### 3. Hazards Identification

# Purdue Products L.P.

## Emergency Overview

Normal handling should not constitute a hazard. The following information is provided for those circumstances where uncontrolled exposure may occur.

Reddish-brown, clear liquid

Characteristic odor

Harmful by inhalation, skin contact, or ingestion

May cause eye irritation and mild skin irritation

Target organs: respiratory system, gastrointestinal tract, skin, eyes, kidneys, thyroid.

## Potential Health Effects

Betadine<sup>®</sup> Solution is a topical microbicide. Its active ingredient is povidone iodine.

Betadine<sup>®</sup> Solution is generally non-irritating to skin. However, prolonged exposure to wet solution may cause irritation or, rarely, severe skin reactions. Povidone iodine may cause skin sensitization. Betadine<sup>®</sup> Solution may cause eye irritation.

Prolonged contact of large skin areas with Betadine<sup>®</sup> Solution may lead to excessive absorption of iodine and should be avoided.

Overexposure from breathing aerosols and/or iodine vapors may cause irritation to the respiratory tract, bronchitis and absorption through the lungs.

High concentrations of iodine in the blood from inhalation or ingestion may cause thyroid disorder (hyperthyroidism), renal disturbances, acidosis, and electrolyte disturbances such as increased iodine levels and severe hyponatremia.

Conditions that may be aggravated by exposure to povidone iodine: asthma, chronic bronchitis, and thyroid disorders.

## Carcinogenicity Information

None of the components of Betadine<sup>®</sup> Solution are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

---

## **4. First Aid Measures**

### **First Aid**

#### **INHALATION**

If aerosols or iodine vapor are inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

#### **SKIN CONTACT**

# Purdue Products L.P.

Remove contaminated clothing. Flush skin with plenty of water and wash thoroughly with soap and water. If irritation (redness, itching, swelling) develops, seek medical attention. Wash contaminated clothing before reuse.

## EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

## INGESTION

If swallowed, do not induce vomiting. Drink several glasses of milk or water. Never give anything by mouth to an unconscious person. Get medical attention.

## Notes to Physicians

No special first aid. Provide supportive measures.

---

## **5. Fire Fighting Measures**

### **Flammable Properties**

Non-flammable.

### **Extinguishing Media**

Water spray, carbon dioxide, dry chemical powder, or foam as appropriate for the surrounding material.

### **Fire Fighting Instructions**

Evacuate personnel to a safe area. Move containers from area if it can be done without risk. Wear protective clothing and positive-pressure, self-contained breathing apparatus with full protective gear.

---

## **6. Accidental Release Measures**

### **Safeguards (Personnel)**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up to minimize exposure to this material. Evacuate personnel from the area.

### **Initial Containment**

Prevent material from entering sewers, waterways, or low areas. Use dikes to contain spilled material and retain for later disposal.

### **Spill Clean-up**

Wear suitable protective clothing and equipment. Vacuum or mop up liquid and place in a container suitable for chemical waste; avoid generation of aerosols. Place collected material into a suitable container for disposal. Thoroughly wash

# Purdue Products L.P.

area with detergent and water. Dispose of all solid waste and wash and rinse with water in accordance with federal, state, and local regulations.

---

## **7. Handling and Storage**

### **Handling (Personnel)**

Avoid procedures that will generate aerosols. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wash contaminated clothing after use. Use with adequate ventilation.

### **Handling (Physical Aspects)**

Close container after each use. Do not generate aerosols.

### **Storage**

Store in an airtight container. Keep container closed. Store at room temperature. Keep from contact with oxidizing materials.

---

## **8. Exposure Controls/Personal Protection**

### **Engineering Controls**

Handle material under adequate ventilation. Keep container tightly closed.

### **Personal Protective Equipment**

Wear safety glasses with side shields. Wear full-face protection when judged that the possibility exists for eye and face contact.

Wear an appropriate NIOSH-approved air purifying respirator or positive pressure air-supplied respirator in situations where a respirator is judged appropriate to prevent inhalation.

Wear impervious clothing such as gloves, lab coat, shoe covers, apron, or jumpsuit, as appropriate, to prevent skin contact. Consult the site safety professional for additional guidance, as needed.

### **Exposure Guidelines**

#### **Exposure Limits**

**None established for Betadine<sup>®</sup> Solution.**  
**None established for Povidone iodine.**  
**None established for Pareth 25-9.**

#### **For Iodine:**

PEL (OSHA): 0.1 ppm

TLV (ACGIH): 0.1 ppm

#### **For Glycerin:**

# Purdue Products L.P.

PEL (OSHA): 15 mg/m<sup>3</sup>, total dust  
5 mg/m<sup>3</sup>, respirable fraction  
TLV (ACGIH): 10 mg/m<sup>3</sup> (mist)

## Exposure Guideline Comments

none

---

## **9. Physical and Chemical Properties**

### **Physical Data**

Odor: slight characteristic  
Form: liquid  
Color: reddish brown  
Vapor Pressure: no information available  
Melting Point: no information available  
Solubility: soluble in water and in alcohol  
Flash Point (closed cup): >200°F

---

## **10. Stability and Reactivity**

### **Chemical Stability**

Low stability hazard expected at normal operating temperatures.

### **Reactivity**

A mixture of equal parts of a 10% povidone iodine solution and hydrogen peroxide 3% exploded about 100 minutes after mixing.

### **Incompatibility with Other Materials**

Strong alkalis or reducing agents

### **Decomposition**

Will not decompose under conditions of usual handling.

### **Polymerization**

Material will not polymerize.

---

## **11. Toxicological Information**

### **Animal Data**

Betadine<sup>®</sup> Solution has not undergone toxicity testing in animals. The information presented below is for povidone iodine, glycerin and pareth 25-9.

### **Skin/Eyes**

#### Povidone iodine

Povidone iodine has been reported to be a mild skin and eye irritant in animals.

# Purdue Products L.P.

## Glycerin

Glycerin has been reported to produce mild skin and eye irritation in rabbits.

## Pareth 25-9

No information available.

### **Acute**

#### Povidone iodine

Oral LD<sub>50</sub>: rat: >8 g/kg

Oral LD<sub>50</sub>: mouse: 8.1 g/kg

Intravenous LD<sub>50</sub>: rat: 640 mg/kg

Intravenous LD<sub>50</sub>: mouse: 480 mg/kg

Intravenous LD<sub>50</sub>: rabbit 110 mg/kg

#### Glycerin

Oral LD<sub>50</sub>: rat: 12.6 g/kg

Oral LD<sub>50</sub>: mouse: 4.1 g/kg

Intravenous LD<sub>50</sub>: rat: 5.6 mg/kg

Intravenous LD<sub>50</sub>: mouse: 4.2 mg/kg

Dermal LD<sub>50</sub>: rabbit: >10 g/kg

#### Pareth 25-9

No information available. Pareths are ethoxylated long-chain alcohols and are expected to have low acute oral toxicity; e.g., the acute oral LD<sub>50</sub> for Parath 25-7 is 2000 mg/kg.

### **Subchronic**

#### **Subchronic Toxicity**

##### Povidone iodine

In a 12-week dietary study in rats, ingestion of povidone iodine at an average povidone iodine dosage of approximately 75 to 750 mg/kg/day produced a dose-dependent increase in serum protein-bound iodine and nonspecific, reversible microscopic changes in the thyroid. No other gross or microscopic povidone iodine-induced changes were observed. At equivalent iodine dosages, dietary potassium iodide produced similar thyroid changes of equal or greater severity.

##### Glycerin

No information available.

##### Pareth 25-9

No information available.

### **Chronic**

#### **Chronic Toxicity**

##### Povidone iodine

No information available.

# Purdue Products L.P.

## Glycerin

No information available.

## Pareth 25-9

No information available.

## **Carcinogenicity**

### Povidone iodine

No information available.

## Glycerin

No information available.

## Pareth 25-9

No information available.

## **Mutagenicity/Genotoxicity:**

### Povidone iodine

Bacterial mutagenicity: negative

Bone marrow (hamster): negative

Dominant lethal assay (mouse): negative

Mouse lymphoma: negative

Mouse micronucleus: negative

### Glycerin

Bacterial mutagenicity: negative

## Pareth 25-9

No information available.

## **Developmental/Reproductive Toxicity**

### Povidone iodine

No information available.

### Glycerin

No information available.

## Pareth 25-9

No information available.

---

## **12. Ecological Information**

### **Ecotoxicological Information**

No information available



# Purdue Products L.P.

## Chemical Fate Information

No information available

---

## **13. Disposal Considerations**

### **Disposal**

This material is not listed under US RCRA. Disposal of this material must be in accordance with federal, state/provincial, and local regulations.

---

## **14. Transportation Information**

### **Shipping Information**

This material is non-hazardous under US DOT.

---

## **15. Regulatory/Statutory Information**

**US Federal:** none

**International:** none

**EC Labeling:** none

**FDA:** The Approved Drug Products with Therapeutic Equivalence Evaluations List identifies currently marketed drug products, including povidone-iodine, approved on the basis of safety and effectiveness by FDA under Sections 505 and 507 of the Federal Food, Drug, and Cosmetic Act.

---

## **16. Other Information**

The information contained in this Material Safety Data Sheet is believed to be accurate and represents the best information available at the time of preparation. However, no warranty, express or implied, with respect to such information, is made. The data in this Material Safety Data Sheet relate only to the specific material designated herein and do not relate to use in combination with any other material. The data in this Material Safety Data Sheet are subject to revision as additional knowledge and experience are gained.

This MSDS was prepared for Purdue Products L.P. by the Occupational and Environmental Assessment Section of Purdue Pharma L.P.

# US - OSHA SAFETY DATA SHEET



Issue Date 24-Jul-2018

Revision Date 24-Jul-2018

Version 1

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

### Product identifier

**Product Name** Betadine® (povidone-iodine, 10%) Solution

### Other means of identification

**Synonyms** None known.

### Recommended use of the chemical and restrictions on use

**Recommended Use** This product is a topical microbicide.

**Uses Advised Against** Not for oral use.

### Details of the supplier of the safety data sheet

#### **Distributor**

Avrio Health L.P.  
One Stamford Forum  
201 Tresser Boulevard  
Stamford, Connecticut 06901-3431  
(888) 827-0624.  
contactavrio@avriohealth.com

### Emergency telephone number

**24 Hour Emergency Phone Number** Chemtrec (US): 1-800-424-9300. For all international transportation emergencies, call Chemtrec collect at (703) 527-3887.

## 2. HAZARDS IDENTIFICATION

### Classification

#### **Health Hazards**

Serious Eye Damage/Eye Irritation	Category 2A
-----------------------------------	-------------

#### **Physical Hazards**

Not classified.

#### **OSHA Regulatory Status**

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard/Globally Harmonized System of Classification and Labelling of Chemicals (GHS); (29 CFR 1910.1200; Revision 3).

### Label elements

#### **Emergency Overview**

Warning

Hazard Statements

Causes serious eye irritation.



**Appearance** Solution.

**Physical State** Liquid.

**Odor** Not available.

#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.

#### Precautionary Statements - Response

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 attention.

#### Hazards not otherwise classified (HNOC)

None.

#### Other information

Not available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Formula** Not available.

Chemical Name	CAS No.	Weight-%
Povidone Iodine	25655-41-8	5 - 10
Sodium Hydroxide	1310-73-2	<1

### 4. FIRST AID MEASURES

#### First aid measures

##### Eye Contact

In case of eye contact, immediately flush eyes with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Get medical attention if irritation persists.

##### Skin Contact

In case of contact, remove contaminated clothing. Immediately wash exposed area with soap and water. Obtain medical attention if skin reaction occurs.

##### Inhalation

Immediately move exposed subject to fresh air. If not breathing, provide artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention immediately.

##### Ingestion

In case of accidental ingestion, wash out mouth with copious amounts of water. Seek medical attention immediately. Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person.

#### Most important symptoms and effects, both acute and delayed

##### Symptoms

Overexposure from breathing iodine aerosols and/or vapors may cause irritation to the

respiratory tract, bronchitis and absorption through the lungs. High concentrations of iodine in the blood from inhalation or ingestion may cause thyroid disorder (hyperthyroidism), renal disturbances, acidosis, and electrolyte disturbances such as increased iodine levels and severe hyponatremia. Conditions such as asthma, chronic bronchitis, and thyroid disorders may be aggravated by exposure to povidone iodine.

**Indication of any immediate medical attention and special treatment needed**

**Note to Physicians** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not available.

**Specific hazards arising from the chemical**

Not available.

**Hazardous Combustion Products** Not available.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Wear appropriate personal protective equipment (see Section 8). Keep unnecessary personnel away. Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Alkalies. Strong reducing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

This product, as supplied, contains the following hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

### Appropriate engineering controls

#### Engineering Controls

Handle material under adequate ventilation (e.g., chemical fume hood, vented balance enclosure [VBE]). Keep container tightly closed. Minimize the amount of material handled at any one time.

### Individual protection measures, such as personal protective equipment

#### Eye/Face Protection

None required for consumer use. In laboratory, medical or industrial settings, safety glasses with side shields are recommended. The use of goggles or full face protection may be required depending on the industrial exposure setting. Contact a health and safety professional for specific information.

#### Skin and Body Protection

None required for consumer use. In laboratory, medical or industrial settings, gloves and lab coats are recommended. The use of additional personal protective equipment such as shoe coverings, gauntlets, and hood or head coverings may be necessary. Contact a health and safety professional for specific information.

#### Respiratory Protection

Respirators may be required for certain laboratory and manufacturing tasks if engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (where the exposure limits have not been established). Workplace risk assessments should be completed before specifying and implementing respirator usage. In the United States of America, if respirators are used, they are to be NIOSH-approved and part of a respiratory protection program instituted to assure compliance with OSHA Standard 29 CFR 1910.134. Contact a health and safety professional or manufacturer for specific information.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	Liquid.	Odor	Not available.
Appearance	Solution.	Odor Threshold	Not available.
Color	Reddish-brown.		
<u>Property</u>	<u>Values</u>	<u>Remarks</u>	
pH	Not available.		
Melting point/freezing point	Not available.		
Boiling point/boiling range	Not available.		
Flash point	> 93.3°C / >200 °F	CC (closed cup)	
Evaporation rate	Not available.		
Flammability (solid, gas)	Not available.		
Flammability Limit in Air			
Upper flammability limit:	Not available.		
Lower flammability limit:	Not available.		
Vapor pressure	Not available.		

Vapor density	Not available.
Specific Gravity	Not available.
Water solubility	Not available.
Solubility in other solvents	Not available.
Partition coefficient	Not available.
Autoignition temperature	Not available.
Decomposition temperature	Not available.
Kinematic viscosity	Not available.
Dynamic viscosity	Not available.
Explosive Properties	Not available.
Oxidizing Properties	Not available.

**Other information**

Softening point	Not available.
Molecular weight	Not available.
VOC Content (%)	Not available.
Density	Not available.
Bulk density	Not available.

**10. STABILITY AND REACTIVITY****Reactivity**

A mixture of equal parts of a 10% povidone iodine solution and 3% hydrogen peroxide exploded about 100 minutes after mixing.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Not available.

**Hazardous polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

None known.

**Incompatible materials**

Alkalies. Strong reducing agents.

**Hazardous decomposition products**

None under normal use conditions.

**11. TOXICOLOGICAL INFORMATION****Product Information****Acute Toxicity**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50	Intravenous LD50
Povidone Iodine 25655-41-8	> 8 g/kg ( Rat )	-	-	-
Sodium Hydroxide 1310-73-2	500 mg/kg ( Rabbit )	1350 mg/kg ( Rabbit )	-	-

**Information on toxicological effects**

**Symptoms** Overexposure from breathing iodine aerosols and/or vapors may cause irritation to the respiratory tract, bronchitis and absorption through the lungs. High concentrations of iodine in the blood from inhalation or ingestion may cause thyroid disorder (hyperthyroidism), renal disturbances, acidosis, and electrolyte disturbances such as increased iodine levels and severe hyponatremia. Conditions such as: asthma, chronic bronchitis, and thyroid disorders may be aggravated by exposure to povidone iodine.

**Delayed and immediate effects as well as chronic effects from short- and long-term exposure**

**Skin Corrosion/Irritation** Betadine® Solution is generally non-irritating to skin. However, prolonged exposure to wet solution may cause irritation or, rarely, severe skin reactions. Povidone iodine may cause skin sensitization.

**Serious Eye Damage/Eye Irritation** Povidone iodide: In both 5% and 10% concentrations, povidone iodide demonstrates severe toxicity when one drop of either concentration is placed in the anterior chamber of the eye.

**Sensitization** Povidone iodine: Negative in a human insult patch test as a primary skin irritant. A few cases of dermal sensitivity exist. Chemical-like burn can occur if pooled solution is retained against a patient's skin for several hours while under pressure such as during prolonged hospital procedures (1% available iodine solution).

**Germ Cell Mutagenicity** Povidone iodine:  
Bacterial mutagenicity: negative  
Bone marrow (hamster): negative  
Dominant lethal assay (mouse): negative  
Mouse lymphoma: negative  
Mouse micronucleus: negative

**Carcinogenicity** No data found.

**Reproductive Toxicity** Povidone iodine caused toxicity in maternal and fetal rabbits without congenital defects. Large-scale case-control studies did not increase congenital abnormalities during pregnancy and vaginal treatment.

**STOT - Single Exposure** No data available.

**STOT - Repeated Exposure** No data available.

**Subchronic Toxicity** Povidone iodine: In a 12-week dietary study in rats, ingestion of povidone iodine at an average povidone iodine dosage of approximately 75 to 750 mg/kg/day produced a dose-dependent increase in serum protein-bound iodine and nonspecific, reversible microscopic changes in the thyroid. No other gross or microscopic povidone iodine-induced changes were observed. At equivalent iodine dosages, dietary potassium iodide produced similar thyroid changes of equal or greater severity.

**Aspiration Hazard** No data available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Hydroxide 1310-73-2		45.4 mg/L: 96 h LC50 Static (Oncorhynchus mykiss)		

**Persistence and degradability**

Not available.

**Bioaccumulation**

Not available.

**Mobility**

Not available.

**Other adverse effects**

Not available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container.

This product contains the following substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium Hydroxide 1310-73-2	Toxic Corrosive

**14. TRANSPORT INFORMATION****DOT**

Not regulated.

**IATA**

Not regulated.

**15. REGULATORY INFORMATION****US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
---------------	-----------------------------	------------------------	---------------------------	----------------------------



Sodium Hydroxide 1310-73-2	1000 lb			X
-------------------------------	---------	--	--	---

**CERCLA**

This material, as supplied, contains the following substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Hydroxide 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations****California Proposition 65**

No component is on the Prop 65 list.

**U.S. State Right-to-Know Regulations**

This product may contain substances regulated by state right-to-know regulations.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Hydroxide 1310-73-2	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable.

**16. OTHER INFORMATION**

Prepared By IES Engineers  
Issue Date 24-Jul-2018  
Revision Date 24-Jul-2018  
Revision Note New SDS.

**Disclaimer**

The information contained in this Safety Data Sheet is believed to be accurate and represents the best information available at the time of preparation. However, no warranty, express or implied, with respect to such information, is made. The data in this Safety Data Sheet relate only to the specific material designated herein and do not relate to use in combination with any other material. The data in this Safety Data Sheet are subject to revision as additional knowledge and experience are gained.

**End of Safety Data Sheet**