

# SAFETY DATA SHEET



## 1. IDENTIFICATION

### Product identifier

**Product Name** BSI-550 Heavy-Duty CIP Cleaner

### Other means of identification

High alkaline cleaner

### Recommended Uses

Removal of fat soils and suited for rendering operations.

### Distributor Address

**Best Sanitizers, Inc.**  
PO Box 1360  
Penn Valley, CA 95946  
Toll Free: 888-225-3267

### Emergency telephone number

**Emergency Phone Numbers** ChemTrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage/irritation	Category 1
Skin corrosion/irritation	Category 1

**Signal word**

**Danger**

### **Hazard statements**

Causes serious skin burns and eye damage



**Appearance** Aqueous solution

**Physical State** Liquid

**Odor** Alkaline

### **Precautionary Statements - Prevention**

Do not breathe dust/fume/gas/mist/vapors/spray.

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

Wear protective gloves/protective clothing/eye protection/face protection.

### **Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician.

Specific treatment (see Section 4 on SDS for more information).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin (hair) with water/shower. Wash contaminated clothing and shoes before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

### **Precautionary Statements - Storage**

Store locked up.

### **Precautionary Statements - Disposal**

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

### **Hazards not otherwise classified (HNOC)**

Not Applicable

### **Other Information**

\*May be harmful in contact with skin.

\*Harmful to aquatic life with long lasting effects.

\*Harmful to aquatic life.

Unknown acute Toxicity 1.8% of the mixture consists of ingredient(s) of unknown toxicity.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS No.</b>	<b>Weight %</b>	<b>Trade Secret</b>
Water	7732-18-5	52-62	
Sodium Hydroxide	1310-73-2	36-46	
Trade Secret	Proprietary	1-3	*

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

## **4. FIRST AID MEASURES**

### **First aid measures**

#### **Eye Contact**

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). Seek immediate medical advice/ attention.

#### **Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing and shoes before reuse. Get medical attention if irritation develops and persists.

#### **Inhalation**

Remove to fresh air. Administer oxygen if breathing is difficult. Call a physician immediately.

#### **Ingestion**

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

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

#### **Most Important Symptoms and Effects**

See Section 11 for symptom information

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

**Note to physicians:** Treat symptomatically.

## **5. FIRE-FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Dry Chemical. Water spray (fog), Carbon dioxide (CO<sub>2</sub>), Foam.

### **Unsuitable Extinguishing Media**

No Information available.

### **Specific Hazards Arising from the Chemical**

No information available.

### **Hazardous combustion products:**

Carbon monoxide. Carbon dioxide (CO<sub>2</sub>)

### **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. Cool containers with flooding quantities of water until well after fire is out. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

**For emergency responders** Isolate area. Keep unnecessary personnel away.

### **Environmental precautions**

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. 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. Contain and collect spillage with 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).

**Methods for Cleaning Up** Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Remainder may be neutralized with a mild acid (vinegar) and rinsed to a sewer.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

**Handling** Use personal protection recommended in Section 8. Avoid contact with skin and eyes. Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions/ Incompatible materials** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.  
Acids. Amphoteric metals (aluminum, copper, zinc).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

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>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

### Appropriate engineering controls

**Engineering Controls** Showers, eyewash stations, ventilation system.

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

**Eye/Face Protection** Splash proof chemical goggles and face shield.

**Skin and Body Protection** Wear protective Neoprene™ gloves. Rubber gloves. Wear suitable protective clothing. Rubber boots recommended.

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene Measures** Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Formula</b>	See Section 3	<b>Odor</b>	Alkaline
<b>Physical State</b>	Liquid	<b>Odor Threshold</b>	No information available
<b>Appearance</b>	Aqueous solution	<b>Remarks/ Method</b>	
<b>Color</b>	Clear amber		
<b>Property</b>	<b>Values</b>		
<b>pH</b>	13	+/- 1 @ 21°C	
<b>Melting/freezing point</b>	3.9°C / 39° F	None known	



Reproductive toxicity	No Information Available
STOT single exposure	No Information Available
STOT repeated exposure	No Information Available
Aspiration Hazard	No Information Available

**Numerical measures of toxicity –Product Information**

**Unknown Acute Toxicity** 1.8% of the mixture consists of ingredient(s) of unknown toxicity.

**The following values are calculated based on chapter 3.1 of the GHS document**

Dermal LD50 3,273.00 mg/kg

**12. Ecological Data**

**Ecotoxicity**

Harmful/Toxic to aquatic life with long lasting effects.

1.8% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium hydroxide 1310-73-2	-	45.4: 96 h Onocorhynchus mykiss mg/L LC50 Static	-

**Persistence and Degradability**

No Information Available.

**Bioaccumulation**

No information available

**Mobility**

Soluble in water.

**Other adverse effects**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

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

**Contaminated packaging** Dispose of in accordance with federal, state and local regulations.

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

**14. TRANSPORT INFORMATION**

**DOT**

UN/ID No.	1760
Proper shipping name	Corrosive liquids, n.o.s. (contains sodium hydroxide)
Hazard Class	8
Packing Group	II
Emergency Response Guide Number	154

**15. REGULATORY INFORMATION**

**Chemical Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/EIINC	Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization of 1986 (SARA). This product does not contain any chemicals which are 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 Quantity	CWA-Toxic Pollutants	CWA-Priority Pollutants	CWA-Hazardous Substances
Sodium hydroxide 1310-73-2	1000 lbs	-	-	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environment 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 lbs	-	RQ 1000 lb final RQ RQ 454 kg final RQ

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. 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**

<b>NFPA</b>	Health Hazard 2	Flammability 0	Instability 0	<b>Physical and Chemical Hazards</b> Corrosive, Alkaline
<b>HMIS</b>	Health Hazard 2	Flammability 0	Physical Hazard 0	<b>Personal Protection</b> D (face shield, gloves, synthetic apron)

Prepared By Technical Department

Preparation/Revision Date January 1, 2024

Version 7

Revision Note Annual Review

**General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage,

transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

---