

# BSI-550 Heavy-Duty CIP Cleaner

## Safety Data Sheet



### Section 1

### Product Description

Product Name: BSI-550 Heavy-Duty CIP Cleaner  
Recommended Uses: Removal of fat soils and suited for rendering operations  
Synonyms: High alkaline cleaner  
Distributor: Best Sanitizers, Inc.  
PO Box 1360 Penn Valley, CA 95946  
Chemical Information Emergency: 1.800.424.9300  
Chemtrec

### Section 2

### Hazard Information

#### OSHA Regulatory Status

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

Serious eye damage/eye irritation Category 1

Skin corrosion/irritation Category 1

#### Danger



#### Hazard Statements

Causes severe 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.

# Safety Data Sheet

## 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.

## Section 3

## Composition/Information on Ingredients

Chemical Name	CAS No.	Weight-%
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.

## Section 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 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. For severe burns, immediate medical attention is required.

#### 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

#### Symptoms

See Section 11 for symptom information.

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

#### Note to physicians

Treat symptomatically.

## Section 5

## Fire-Fighting Measures

### Suitable Extinguishing Media

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

# Safety Data Sheet

## 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.

## Section 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.

#### Environment 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.

## Section 7

## Handling and Storage

### Precautions for Safe Handling

#### Advice on Safe Handling

Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. 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

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

#### Incompatible materials

Acids. Amphoteric metals (aluminum, copper, zinc).

# Safety Data Sheet

## Section 8

## Protection Information

### 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>

### 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.
General Hygiene Considerations	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.

## Section 9

## Physical and Chemical Properties

### Information on basic physical and chemical properties

Formula:	See Section 3	Physical State:	Liquid
Odor:	Alkaline	Appearance:	Aqueous solution
Odor Threshold:	No Information Available	Color:	Clear amber
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks—Method</u></b>	
pH	13		± 1 @ 21°C
Melting Point/Freezing Point	3.9°C / 39°F		
Boiling Point/ Boiling Range	120°C / 248°F		
Flash Point	Not flammable		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		

# Safety Data Sheet

Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Specific Gravity	1.455 g/cc
Water solubility	Completely soluble
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

## Section 10

## Stability and Reactivity Data

<b>Reactivity</b>	No data available.
<b>Chemical Stability</b>	Stable under recommended storage conditions. Exothermic reaction will occur upon dilution with water.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Acids. Amphoteric metals (aluminum, copper, zinc).
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).

## Section 11

## Toxicity Data

### Information on likely routes of exposure

#### Product Information

Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system. Vapors may be irritating to eyes, nose, throat, and lungs.
Eye Contact	Risk of serious damage to eyes. Corrosive to the eyes and may cause severe damage including blindness.
Skin Contact	Corrosive. Contact causes severe skin irritation and possible burns.
Ingestion	Harmful if swallowed. Can burn mouth, throat and stomach, ingestion causes burns of the upper digestive and respiratory tracts.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hydroxide 1310-73-2	.	= 1350 mg/kg (Rabbit)	.

# Safety Data Sheet

## Information on toxicological effects

Symptoms No Information Available

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

**Sensitization** No Information Available

**Germ cell mutagenicity** No Information Available

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

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

## Section 12

## Ecological Data

### Ecotoxicity

Harmful 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 Oncorhynchus 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.

## Section 13

## Disposal Information

### Waste treatment 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

# Safety Data Sheet

## Section 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

# Safety Data Sheet

## Section 15

## Regulatory Information

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies

### Legend:

**TSCA**—United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL**— Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS**—European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

### US 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 Quantities	CWA-Toxic Pollutants	CWA-Priority Pollutants	CWA-Hazardous Substance
Sodium hydroxide 1310-73-2	1000 lb	-	-	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 lb	-	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



# Safety Data Sheet

## Section 16

## Additional Information

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

**Prepared by:** Technical Department

**Revision Date** January 2, 2019

**Version** 5

**Revision Note** Annual Review

### 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**