

# SAFETY DATA SHEET



Date issued : 07/07/2015  
SDS number : 9110  
Date revised : 07/17/2024  
Revision number : 2

## CROSSLINK

### 1. Identification

**Product code:** 9110  
**Product identifier:** CROSSLINK  
**Relevant identified uses:** Tank Wash Booster

**Manufacturer / Supplier**

John-Henry Enterprises, Inc.  
800 Central Ave.  
Jefferson, LA 70121

**Emergency contact:** H. Zeller

**Emergency Phone:** 504-888-8989

**Web:** www.john-henry.com

**Emergency telephone number (24 hour)**

US/Canada: 800-535-5053

### 2. Hazard identification

**Classification of the substance or mixture**

Corrosive to Metals, Category 2

**Health hazards:**

Eye Corrosion, Category 1

Skin Corrosion, Category 1

**Label elements**

CORROSIVE: Causes severe irritation and can cause burns and permanent damage to eyes. Causes moderate to severe irritation and possibly burns to skin. Dusts, mists or spray can irritate eyes, nose, throat, and respiratory system. Ingestion can cause severe irritation, burns and tissue damage to mouth, throat, esophagus, and stomach. May be harmful or fatal if swallowed.



Severe  
Irritant/Corrosive

**Signal word:** DANGER

**Hazard statement(s)**

H318: Causes serious eye damage.

H314: Causes severe skin burns and eye damage.

15866NUF: Harmful or fatal if swallowed.

H290: May be corrosive to metals.

**Precautionary statement(s)**

**Supplemental label elements:**

P102: Keep out of reach of children.

P103: Read carefully and follow all instructions.

1193JFS0: Avoid contact with acids and ammonia

P232: Protect from moisture.

**Prevention:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

2828VC61: Avoid eye contact

P335: Brush off loose particles from skin.

P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

P331: Do NOT induce vomiting.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

easy to do. Continue rinsing.

**Storage:**

75990X3S: Keep only in original container. Store in a cool, well-ventilated space. Keep container tightly closed.

**Emergency overview**

**Immediate concerns:** Causes severe irritation and damage to eyes and can cause severe irritation and burns to skin.

Dusts can cause moderate to severe irritation to eyes, nose, and throat. Ingestion will cause severe irritation and damage (corrosion of tissues) mouth, throat, esophagus, and stomach and can be fatal.

**Potential health effects**

**Eye:** Corrosive, contact causes severe eye burns.

**Skin:** Corrosive, causes skin burns and severe irritation

**Ingestion:** Causes irritation, burns, and damage to mouth, throat, esophagus, and stomach. May be fatal if swallowed.

**Inhalation:** Dust is highly irritating to eyes and respiratory tract. Spray or mist from product solutions may be severely irritating.

**Comments:** Contains SODIUM HYDROXIDE or CAUSTIC SODA. Corrosive to eyes and skin. Dusts may be severely irritating to eyes, respiratory system, and moist skin. Can be fatal if swallowed. Reacts with soft metals such as aluminum and releases hydrogen, a flammable gas. Reacts violently with concentrated acids.

**3. Composition/information on ingredients**

Chemical name	% w/w	CAS No.
Sodium Hydroxide	20 - 25	1310-73-2
Synthetic Sodium Silicate	75 - 80	6834-92-0

**4. First-aid measures**

**Eye:** Treat eye contact and a medical emergency (call 911). Gently hold eyelids open and immediately flush eyes with water for at least 15 minutes or until pain eases. Remove contact lenses if possible. Cover eyes loosely with sterile dressing and SEEK IMMEDIATE MEDICAL ATTENTION.

**Skin:** Remove contaminated clothing and footwear. Flush off with copious amounts of running water. Seek medical attention for burns or if irritation persists or worsens.

**Ingestion:** Get immediate emergency medical attention (Call 911). Rinse mouth with water. Do not induce vomiting unless instructed to do so by poison center or physician. Give water, milk, or dilute citrus juice unless unconscious or convulsing. Keep patient warm, quiet, and comfortable and treat for shock.

**Inhalation:** If affected by vapors, spray or mist, move to fresh air. Seek medical attention if symptoms persist or worsen. If breathing is difficult, give oxygen and get immediate medical attention.

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

**Eye:** Severe irritation or pain, blurring and loss of vision, burns and/or permanent damage.

**Skin:** Severe irritation and burns.

**Ingestion:** Harmful or fatal if swallowed. Can cause irritation, gastric upset, burns and damage (corrosion) to mouth, throat, esophagus and gastrointestinal tract.

**Inhalation:** Dusts, spray or mists can irritate eyes, nose, throat, and respiratory tract.

**Indication of immediate medical attention and special treatment needed, if necessary:** Treat symptomatically. If burns are present, treat for thermal burns.

**5. Fire-fighting measures**

**Flammable class:** Not applicable - Non-combustible powder

**Suitable extinguishing media:** Not applicable - powders are not combustible

**Hazardous combustion products:** Not Applicable

**Explosion hazards:** None

**Fire fighting procedures:** Wear self-contained breathing apparatus when fighting chemical fires.

**Hazardous decomposition products:** Will not occur

**6. Accidental release measures**

**Small spill:** Wear recommended PPE. Collect spilled product for reuse or disposal. Rinse spill area with water

**Large spill:** Wear appropriate PPE. Remove uninvolved personnel. Sweep or scoop up spilled material and store in sealable intact containers for reuse or disposal. Rinse spill area with water.

**Environmental precautions**

**Water spill:** Do not discharge to or allow to enter surface waterways, drains, or public sewers

## 7. Handling and storage

**Precautions for safe handling:** Avoid contact with eyes and skin. Avoid exposure to dusts, mists or sprays. Read and understand product label and SDS before handling any chemical. Always wear recommended personal protective equipment. Follow label cautions and instructions.

**Conditions for safe storage:** Keep in sealed, original containers. Store in a dry area away from acids, ammonia, and amines.

**Comments:** Use caution when adding product to water. Add slowly with good agitation. Do not add to hot water (can cause solution to boil over).

## 8. Exposure controls/personal protection

### Exposure controls

Control parameters			
Occupational exposure limit values			
Chemical name	Type		
	OSHA PEL	TWA	ppm mg/m <sup>3</sup>
Sodium Hydroxide			2

**Appropriate engineering controls:** Maintain sufficient ventilation in storage and use areas to prevent the accumulation of dusts or product vapors, spray, or mists. Provide local exhaust for enclosed areas.

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

**Eye / face protection:** Wear safety glasses or goggles and face shield (recommended) when handling.

**Skin protection - hand protection:** Wear rubber, latex, or other chemical resistant gauntlet gloves and boots

**Respiratory protection:** Use with adequate ventilation. Wear a NIOSH approved multi-purpose air purifying respirator where dusts or solution vapors, mists or spray are excessive or exceed exposure limits.

**Occupational hygiene practices:** Wash thoroughly before eating, drinking, smoking, or using the facilities after handling any chemical product.

**Other use precautions:** Working eyewash stations and safety showers should be located in or near all areas where chemicals are stored or used.

## 9. Physical and chemical properties

**Appearance:** white granular powder

**Odor:** none

**pH:** > 13

**Notes:** (5% in water)

**Freezing point:** Not Applicable

**Initial boiling point and boiling range:** Not Applicable

**Flash point:** Not applicable - non-combustable powder

**Evaporation rate (n-butyl acetate = 1):** Not Applicable

**Vapor pressure:** Not Applicable

**Relative vapor density:** Not Applicable

**Relative density:** Not Applicable

**Solubility:** ~ 20 %

**Percent volatiles:** less than 0.1% at 25 deg C

## 10. Stability and reactivity

**Reactivity:** Reactive with acids. Reacts with soft metals to release hydrogen.

**Dangerous polymerization:** No

**Possibility of hazardous reactions:** Reacts with metals such as aluminum or zinc (releases hydrogen, a flammable gas). Reacts vigorously with concentrated acids (generating heat and steam)

**Incompatible materials:** Concentrated acids, metals such as aluminum or zinc, ammonia and amines

## 11. Toxicological information

### Acute toxicity

**Notes:** No toxicity data available for product

## 12. Ecological information

**Environmental data:** No data available.

**Comments:** This product could be expected to produce significant ecotoxicity upon exposure to aquatic systems and organisms.

## 13. Disposal considerations

**Disposal methods:** Unused or undiluted product constitutes a hazardous waste. Follow all appropriate local, state, and Federal disposal regulations. Collect and neutralize spent solutions and discharge to a waste water treatment facility.

**For large spills:** See Section 6

**Empty container:** Triple rinse container thoroughly with water and recycle.

**RCRA hazard class:** D002 - Corrosive

## 14. Transport information

### USA Department of Transport Regulations (DOT)

**UN proper shipping name:** UN3262, Corrosive Solid, Basic, Inorganic, N.O.S. (contains sodium hydroxide), 8, I

**Reportable quantity (rq) under CERCLA:** greater than 5000 lbs (as supplied)

### IMO / IMDG - International

**UN proper shipping name:** UN2923, CORROSIVE SOLID, N.O.S (contains Sodium Hydroxide), 8, PG II

## 15. Regulatory information

### UNITED STATES

#### SARA Section 311/312 Hazard Categories

**311/312 Health hazards:** Acute health hazard (eye and skin irritation/corrosion), Reactivity

**313 reportable ingredients:** Sodium Hydroxide

#### CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA rq
Sodium Hydroxide	20 - 25	1,000

**CERCLA rq:** greater than 5000 lbs (as supplied)

### EPA

**EPA rq ingredient:** Sodium Hydroxide

**EPA rq product:** greater than 5000 lbs (as supplied)

#### TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
Sodium Hydroxide	1310-73-2

**TSCA Status:** All other ingredients are included on the TSCA Inventory or are exempt

**California Proposition 65:** Contains no substances known to the State of California to cause cancer, birth defects, or reproductive harm.

## 16. Other information

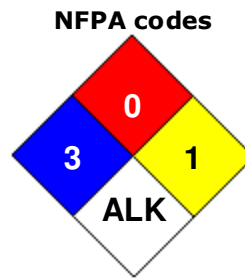
**Reason for issue:** New Address

**Approved by:** H. Zeller

**Prepared by:** CCCC **Date revised:** 07/17/2024

**Revision summary:** This SDS replaces the 02/11/2022 SDS. Revised: **Section 1:** Reason for issue. **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating		
Health	<input type="checkbox"/>	3
Flammability	<input type="checkbox"/>	0
Physical hazard	<input type="checkbox"/>	0
Personal protection	<input checked="" type="checkbox"/>	X



**General statements:** Amounts given herein (other than for regulatory purposes) are typical and do not represent a specification. Unspecified or unlisted components are proprietary, do not present a hazard at levels present, are not hazardous, and/or are present at levels below reportable limits. Exact percentage values for all components are proprietary in accordance with 29 CFR 1910.1200(i)

**Manufacturer disclaimer:** To the best of our knowledge, the information contained herein is accurate. However, no liability whatsoever is assumed for its accuracy and/or completeness. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown health or physical hazards and should be used with caution. Certain hazards are described herein, but no guarantee is made that these are the only hazards associated with the material that exist.