

## SAFETY DATA SHEET



Date Prepared : 07/07/2015

SDS No : 9110

## CROSSLINK

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** CROSSLINK  
**GENERAL USE:** Tank Wash Booster  
**PRODUCT CODE:** 9110

**MANUFACTURER**

JOHN-HENRY Enterprises, Inc.  
 2813 Richland Ave  
 Metairie, LA 70002  
**Emergency Contact:** H. Zeller  
**Emergency Phone:** 504-888-8989

**24 HR. EMERGENCY TELEPHONE NUMBERS**

US/Canada: 800-535-5053

## 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**

Corrosive to Metals, Category 2

**Health:**

Eye Corrosion, Category 1  
 Skin Corrosion, Category 1

**GHS LABEL**

**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.



CORROSIVE

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS**

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 STATEMENTS****General:**

P102: Keep out of reach of children.  
 P103: Read label before use.  
 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 well-ventilated place. 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**

**EYES:** 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	Wt.%	CAS
Sodium Hydroxide	20 - 25	1310-73-2
Synthetic Sodium Silicate	75 - 80	6834-92-0

**4. FIRST AID MEASURES**

**EYES:** 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.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe irritation or pain, blurring and loss of vision, 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.

**NOTES TO PHYSICIAN:** Treat symptomatically. If burns are present, treat for thermal burns.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** Not applicable - Non-combustible powder

**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. 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 or public sewers

## 7. HANDLING AND STORAGE

**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.

**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 GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
			EXPOSURE LIMITS	
			OSHA PEL	
Chemical Name			ppm	mg/m <sup>3</sup>
Sodium Hydroxide			TWA	2

**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.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses or goggles and face shield when handling.

**SKIN:** Wear rubber, latex, or other chemical resistant gauntlet gloves and boots

**RESPIRATORY:** 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.

**WORK HYGIENIC 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

**ODOR:** none

**APPEARANCE:** white granular powder

**pH:** > 13

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

**PERCENT VOLATILE:** less than 0.1% at 25 deg C

**FLASH POINT AND METHOD:** Not applicable - non-combustable powder

**VAPOR PRESSURE:** Not Applicable

**VAPOR DENSITY:** Not Applicable

**BOILING POINT:** Not Applicable

**FREEZING POINT:** Not Applicable

**SOLUBILITY IN WATER:** ~ 20 %

**EVAPORATION RATE:** Not Applicable

**SPECIFIC GRAVITY:** Not Applicable

## 10. STABILITY AND REACTIVITY

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

**HAZARDOUS 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

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

**EYE EFFECTS:** Severe pain, corrosion of tissues

**SKIN EFFECTS:** Severe irritation and burns, corrosion of tissues, permanent damage.

## 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 METHOD:** 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

### DOT (DEPARTMENT OF TRANSPORTATION)

**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)

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** UN2923, CORROSIVE SOLID, N.O.S (contains Sodium Hydroxide), 8, PG II

## 15. REGULATORY INFORMATION

### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

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

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** Sodium Hydroxide

#### CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	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 (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
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:** Convert to GHS format

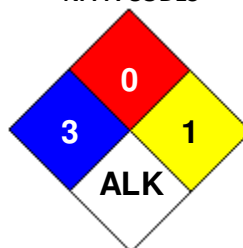
**APPROVED BY:** H. Zeller

**PREPARED BY:** CSCC **Date Prepared:** 07/07/2015

### HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	X

### NFPA CODES



**GENERAL STATEMENTS:** Amounts specified 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)

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