

## SAFETY DATA SHEET



Date Prepared : 4/6/2015  
SDS No : John-Henry 2SW-321

## JOHN-HENRY 2SW-321

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** JOHN-HENRY 2SW-321  
**GENERAL USE:** Step 2/Alkaline Detergent of Total Wash System  
**PRODUCT CODE:** 5230

**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****Health:**

Eye Damage, Category 1  
Skin Corrosion/Irritation, Category 1A

**GHS LABEL**

Causes severe irritation and possibly burns to eyes. Causes moderate to severe irritation and possibly burns to skin. Mists and spray can irritate eyes, nose, throat, and respiratory system.



CORROSIVE



Eye/Skin/Respiratory  
Irritant

**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

H314: Causes severe skin burns and eye damage.  
H302: Harmful if swallowed.  
H290: May be corrosive to metals.

**PRECAUTIONARY STATEMENTS****Prevention:**

P102: Keep out of reach of children.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P262: Do not get in eyes, on skin, or on clothing.  
75990X3S: Keep only in original container. Store in a well-ventilated place. Keep container tightly closed.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive to the eyes and may cause severe damage including blindness.

**SKIN:** Contact causes severe skin irritation and possible burns.

**INGESTION:** Causes irritation and burns to mouth, throat, esophagus, and gastrointestinal system .May cause gastrointestinal discomfort, including nausea, vomiting, diarrhea, etc

**INHALATION:** Mists or sprays can be moderately to severely irritating to eyes and respiratory tract.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Sodium Hydroxide	5 - 10	1310-73-2
Trisodium NTA	< 3	5064-31-3
Synthetic Sodium Silicate	< 5	Proprietary

#### 4. FIRST AID MEASURES

**EYES:** 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 medical attention, especially if there are visible burns or damage to or around eyes.

**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). 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 spray or mist, move to fresh air. Seek medical attention if symptoms persist or worsen.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

**SKIN:** Causes moderate to severe irritation and possibly burns.

**INGESTION:** Causes severe irritation and burns to mouth, throat, esophagus, and GI tract. Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea.

**INHALATION:** 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 - Water based product with no flashpoint.

**EXTINGUISHING MEDIA:** Not applicable - water based product. After water has evaporated, use water (fog or spray) or chemical foam on burning solids.

**HAZARDOUS COMBUSTION PRODUCTS:** After water has evaporated, burning solids will produce oxides of carbon, nitrogen, and sulfur, organosulfur, organonitrogen, and hydrocarbon residues and acrid fumes

**EXPLOSION HAZARDS:** Containers can burst if exposed to flames or high temperatures.

**FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus when fighting chemical fires. Use water fog or spray to cool containers.

#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Wear recommended PPE. Contain and absorb spilled material. Dispose of contaminated absorbant properly. Wash spill area with water.

**LARGE SPILL:** Wear appropriate PPE. Remove uninvolved personnel from area. Stop flow. Contain spill and keep from entering sewer or surface waterways. Collect spill into suitable, properly labeled containers for use or disposal. Rinse spill area with water.

#### 7. HANDLING AND STORAGE

**HANDLING:** Read and understand product label and SDS before handling any chemical. Always wear recommended personal protective equipment. Follow label instructions.

**STORAGE:** Store in original containers in well ventilated area. Keep containers closed when not in use.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES**

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

**ENGINEERING CONTROLS:** Maintain sufficient ventilation in storage and use areas to prevent the accumulation of 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

**PROTECTIVE CLOTHING:** Wear chemically resistant rain suit if there is a possibility of exposure to spray or heavy mists

**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:** mild, characterisitc detergent odor

**APPEARANCE:** clear, red liquid

**pH:** > 13.0

**Notes:** as made

**PERCENT VOLATILE:** 70 - 80% (wt)

**FLASH POINT AND METHOD:** None

**VAPOR PRESSURE:** Same as water (approximately)

**VAPOR DENSITY:** Same as water (approximately)

**BOILING POINT:** greater than 212 deg F

**FREEZING POINT:** less than 32 deg F (0 deg C)

**SOLUBILITY IN WATER:** Complete in all proportions.

**EVAPORATION RATE:** Same as water (approximately)

**SPECIFIC GRAVITY:** 1.03 to 1.05.

**VISCOSITY:** Same as water (approximately)

**(VOC):** < 0.100

**10. STABILITY AND REACTIVITY**

**STABLE:** Yes

**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)

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of carbon, nitrogen, and sulfur, organosulfur, organonitrogen, and and hydrocarbon residues

**INCOMPATIBLE MATERIALS:** Concentrated acids, oxidizing agents, metals such as aluminum or zinc

**11. TOXICOLOGICAL INFORMATION**

**EYE EFFECTS:** No data

**SKIN EFFECTS:** No data

**CARCINOGENICITY**

Chemical Name	IARC Status
Trisodium NTA	Group 2B, Possible Human Carcinogen

**Notes:** Contains no known or suspected carcinogens.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No data

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Unused or undiluted product constitutes a hazardous waste. Follow all appropriate local, state, and Federal disposal regulations. Surfactants and other organic components are biodegradable. 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/EPA WASTE INFORMATION:** Unused or undiluted product would constitute an RCRA regulated hazardous waste due to corrosivity (CORROSIVE WASTE - D002, pH equal to or greater than 12.5)

## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** NA1760, Compound, Cleaning liquid (contains sodium hydroxide), 8, II

**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** 14490

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** UN 1824, Sodium Hydroxide Solution, n.o.s, 8, II

## 15. REGULATORY INFORMATION

### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

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

**311/312 HAZARD CATEGORIES:** Corrosive

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

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

Chemical Name	Wt. %	CERCLA RQ
Sodium Hydroxide	5 - 10	1,000

**CERCLA RQ:** greater than 10000 lbs (as supplied)

### EPA

**EPA RQ INGREDIENT:** Sodium Hydroxide

**EPA RQ PRODUCT:** greater than 10000 lbs (as supplied)

### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Sodium Hydroxide	1310-73-2
Nonionic emulsifier	Proprietary
Aromatic Emulsifier	Proprietary
Trisodium NTA	5064-31-3
Synthetic Sodium Silicate	Proprietary
Linear Primary Alcohol Ethoxylate	68439-46-3

**TSCA STATUS:** All 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.

Chemical Name	Wt.%	Listed
Trisodium NTA	< 3	Cancer

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** Convert to GHS format

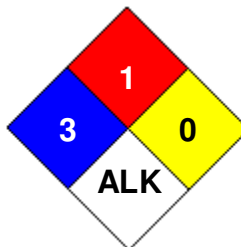
**APPROVED BY:** H. Zeller

**PREPARED BY:** CSCC **Date Prepared:** 4/6/2015

### HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	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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