

SAFETY DATA SHEET



Date Prepared : 04/28/2015
SDS No : 6110

BC-6110

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BC-6110
GENERAL USE: Boiler Treatment
PRODUCT CODE: 6110

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:**

Acute Toxicity (Oral), Category 4
Skin Corrosion/Irritation, Category 1
Serious Eye Damage, Category 1

Physical:

Corrosive to Metals, Category 1

GHS LABEL

CORROSIVE. Causes severe irritation and burns to skin. Causes severe burns and damage to eyes. Mists and spray can be irritating to eyes, nose, throat, and respiratory tract. Harmful or fatal if swallowed.



CORROSIVE



Health hazard

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H290: May be corrosive to metals.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS**Prevention:**

P102: Keep out of reach of children.
P103: Read label before use.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P284: In case of inadequate ventilation, wear respiratory protection.
75990X3S: Keep only in original container. Store in a well-ventilated place. Keep container tightly closed.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Causes severe irritation and burns to skin. Causes severe irritation, burns, and damage to eyes. Mists and vapors can cause irritation to eyes, nose, throat, and respiratory tract. Ingestion can damage mouth, throat, and other tissues and may be fatal.

POTENTIAL HEALTH EFFECTS

EYES: Extremely irritating to the eyes and may cause severe damage including blindness.

SKIN: Prolonged contact can cause severe skin irritation and possible burns.

INGESTION: Causes severe irritation and possibly 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
Hydrochloric Acid	20 - 25	7647-01-0
Other ingredients are not hazardous or are present at levels that do not present a significant hazard.		> 75 mixture

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 medical attention (call 911). Rinse mouth with water. Do not induce vomiting unless instructed to do so by poison center or physician. Give patient water or milk unless unconscious or convulsing. Keep patient warm and comfortable. Treat for shock.

INHALATION: If affected by vapors, spray or mist, move to fresh air. Seek medical attention if symptoms persist or worsen. Give oxygen if breathing is difficult and seek prompt medical attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe irritation or pain, tearing, redness, blurring and/or temporary or permanent loss of vision. May cause burns to and around eyes.

SKIN: Prolonged exposure can cause 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 severely irritate eyes, nose, throat, and respiratory tract causing coughing, sneezing, difficulty breathing, etc.

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.

GENERAL HAZARD: Boiling product can release irritating, acidic fumes.

EXTINGUISHING MEDIA: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: Acidic 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. Ventilate the area and remove uninvolved personnel. Contain and absorb spilled material. Dispose of contaminated absorbant properly. Wash spill area with water.

LARGE SPILL: Wear appropriate PPE. Ventilate the area and 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.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not discharge to or allow to enter surface waterways or public sewers

7. HANDLING AND STORAGE

HANDLING: Read and understand product label and SDS before handling any chemical. Use in well ventilated areas. Always wear

recommended personal protective equipment. Follow label instructions.

STORAGE: Store in original containers in well ventilated area away from strong alkalis or oxidizing materials. Keep containers tightly closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)						
			EXPOSURE LIMITS			
			OSHA PEL		ACGIH TLV	
Chemical Name			ppm	mg/m ³	ppm	mg/m ³
Hydrochloric Acid	TWA		5 (ceiling)		2 (ceiling)	

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

RESPIRATORY: Use with adequate ventilation. Wear a NIOSH approved acid absorbing, air purifying respirator where mists or spray are excessive or exceed exposure limits.

PROTECTIVE CLOTHING: Wear chemically resistant full length apron and impermeable boots when handling.

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: Sharp, pungent, acidic

APPEARANCE: clear, pale amber liquid

pH: < 2.0 (5%)

PERCENT VOLATILE: greater than 99%

FLASH POINT AND METHOD: No flashpoint

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: 1.07 to 1.09

10. STABILITY AND REACTIVITY

REACTIVITY: Reactive with alkaline materials. Reacts with metals.

HAZARDOUS POLYMERIZATION: No

CONDITIONS TO AVOID: Store below 100 deg F

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: Acidic fumes

INCOMPATIBLE MATERIALS: Strong alkalis (bases), chlorine bleach, oxidizing and reducing agents, metals such as iron (causes decomposition) and zinc or magnesium (releases hydrogen gas)

11. TOXICOLOGICAL INFORMATION

ACUTE**ORAL LD₅₀:** > 900 mg/kg (rat)**INHALATION LC₅₀:** 3124 mg/l, 1 hr (rat)**EYE EFFECTS:** Severe irritation, pains, burns, temporary loss of vision.**SKIN EFFECTS:** Moderate to severe irritation, burns, damage to underlying tissues, and scarring.**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** No data**COMMENTS:** Because of the low pH of this product, it would 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. 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 less than 2.0)**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** UN1789, Hydrochloric Acid Solution, N.O.S., 8, II**REPORTABLE QUANTITY (RQ) UNDER CERCLA:** greater than 10000 lbs (as supplied)**PLACARDS:** Corrosive**LABEL:** Corrosive**MARINE POLLUTANT #1:** No**VESSEL (IMO/IMDG)****SHIPPING NAME:** UN1789, HYDROCHLORIC ACID, SOLUTION, N.O.S., 8, PG II**EmS:** F-A, S-B**PLACARDS:** Corrosive**LABEL:** Corrosive**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**

Corrosive

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**311/312 HAZARD CATEGORIES:** Acute health hazard (eye and skin irritation), chronic health hazard (respiratory), reactivity**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** Yes**313 REPORTABLE INGREDIENTS:** Hydrochloric acid**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

Chemical Name	Wt.%	CAS
Hydrochloric Acid	20 - 25	7647-01-0

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

Chemical Name	Wt. %	CERCLA RQ
Hydrochloric Acid	20 - 25	5,000

CERCLA RQ: greater than 10000 lbs (as supplied)

EPA

EPA RQ INGREDIENT: Hydrochloric acid

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

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Hydrochloric Acid	7647-01-0

TSCA STATUS: All ingredients are included on the TSCA Inventory or are exempt

CLEAN AIR ACT

Chemical Name	Wt. %	CAS
Hydrochloric Acid	20 - 25	7647-01-0

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

16. OTHER INFORMATION

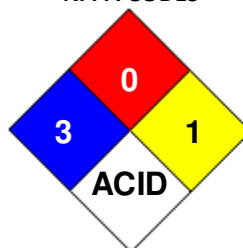
REASON FOR ISSUE: Convert to GHS format

APPROVED BY: H. Zeller

PREPARED BY: CSCC **Date Prepared:** 04/28/2015

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	1
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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