



SAFETY DATA SHEET

Date Issued : 09/21/2019

SDS No : 5612

TC-555

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TC-555
GENERAL USE: Alkalinity Booster

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

Aspiration Hazard, Category 2
 Eye Irritation, Category 2B
 Skin Irritation, Category 2

GHS LABEL

Irritating to eyes on contact. Prolonged or repeated contact may irritate skin. High concentrations of mist or spray may irritate eyes, nose, and throat.



Health hazard Eye/Skin/Respiratory
 Irritant

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H320: Causes eye irritation.
 H316: Causes mild skin irritation.
 H302: Harmful if swallowed.

PRECAUTIONARY STATEMENTS

Prevention:

P264: Wash ... thoroughly after handling.
 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.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P330: Rinse mouth.
 P321: Specific treatment (see ... on this label).

Response:

P391: Collect spillage.

Storage:

P404: Store in a closed container.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Same as water (approximately)

IMMEDIATE CONCERNS: Can cause severe irritation and burns to skin. Can cause 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. Vapors can cause nausea, dizziness, nausea, stupor, vomiting, headache, and/or irritation to nose, throat, and respiratory system.

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: Contact can cause irritation and redness.

SKIN ABSORPTION: Not Established

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

INHALATION: Harmful if inhaled. Can cause severe irritation and damage to nose, throat, and upper respiratory tract. May cause lung damage

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None Expected.

TERATOGENIC EFFECTS: None Expected.

CARCINOGENICITY: None Expected.

MUTAGENICITY: None Expected.

MEDICAL CONDITIONS AGGRAVATED: Exposure may aggravate existing medical conditions.

ROUTES OF ENTRY: Skin, eyes, ingestion, inhalation

TARGET ORGAN STATEMENT: Lungs, mucous membranes, respiratory tract, skin, eyes, and teeth

CANCER STATEMENT: None Expected.

IRRITANCY: Not determined

SENSITIZATION: Not determined

WARNING CAUTION LABELS: Not determined

COMMENTS HEALTH: No toxicity data available for product

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Nitritotriacetic Acid, Trisodium Salt Monohydrate	1 - 3	5064-31-3
Ethanol, 2-amino-	30 - 40	141-43-5
Dipropylene Glycol Methyl Ether	1 - 4	34590-94-8
b-alanine, N-(2-carboxymethyl)-N-(2-ethylhexyl)-, sodium salt	3 - 6	94441-92-6

4. FIRST AID MEASURES

EYES: Gently hold eyelids open and flush with water for 15 minutes or until discomfort eases. Remove contact lenses if possible. Seek medical attention if irritation persists or vision remains blurred.

SKIN: Remove contaminated clothing and footwear. Brush off remaining powder, then flush area with copious amounts of running water to remove residues. Seek medical attention for burns or if irritation persists or worsens.

INGESTION: Get immediate medical attention (call 911). Keep patient warm, calm, and quiet. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: If affected by dusts, 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: Moderate irritation, stinging, burning, temporary blurring of vision

SKIN: Causes irritation, sensitization, and allergic reactions, including rash, itching, tingling of hands and feet.

SKIN ABSORPTION: Not determined

INGESTION: Causes irritation to mouth, throat, esophagus, and GI tract. Can cause gastrointestinal discomfort, including nausea, vomiting, and diarrhea. Aspiration of vomited material may cause damage to lungs and respiratory system and may be fatal.

INHALATION: Spray or mists can severely irritate eyes, nose, throat, and respiratory tract causing coughing, sneezing, difficulty breathing, etc. May also cause asthma-like symptoms, dizziness, chest pain, lightheadedness, and muscle pain and weakness.

ACUTE EFFECTS: None known.

CHRONIC EFFECTS: Not determined

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not Applicable. Flash point greater than 200 deg F.

GENERAL HAZARD: Not determined

EXTINGUISHING MEDIA: Not applicable - non-combustible water based product.

HAZARDOUS COMBUSTION PRODUCTS: No data available.

EXPLOSION HAZARDS: No data available.

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

FIRE FIGHTING EQUIPMENT: Not determined

FIRE EXPLOSION: None

SENSITIVE TO STATIC DISCHARGE: None

SENSITIVITY TO IMPACT: None

HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia

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 and ventilate the area. Stop and contain flow and keep spilled material from entering sewer or surface waterways. Collect spilled material and store in suitable, properly labeled containers for use or disposal. Rinse spill area thoroughly with water or a dilute alkaline solution. Caution: Spill area may be slippery if residues are not removed.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: No toxicity data available for product

LAND SPILL: No toxicity data available for product

AIR SPILL: No toxicity data available for product

GENERAL PROCEDURES: Not determined

SPECIAL PROTECTIVE EQUIPMENT: None

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Same as water (approximately)

HANDLING: Avoid contact with eyes and prolonged contact with skin. Avoid inhalation of concentrated vapors. Ground and bond containers when pouring or using. Read and understand product label and SDS before handling any chemical. Always wear recommended personal protective equipment. Follow label cautions and instructions.

STORAGE TEMPERATURE: Keep from freezing. Minimum storage temperature - 40 deg F

LOADING TEMPERATURE: Same as water (approximately)

LOADING/UNLOADING VISCOSITY: Same as water (approximately)

STORAGE PRESSURE: Same as water (approximately)

SHELF LIFE: Not Established

SPECIAL SENSITIVITY: None

ELECTROSTATIC ACCUMULATION HAZARD: None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Ethanol, 2-amino-	OSHA PEL	TWA	3	6
	ACGIH TLV	TWA	3	7.5
		STEL	6	15

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: Avoid eye contact. Wear safety glasses or goggles

SKIN: Avoid prolonged or repeated contact. Wear rubber, latex, or other chemical resistant gloves.

RESPIRATORY: Use with adequate ventilation. Wear a NIOSH approved acid absorbing, air purifying respirator where fumes, 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

PHYSICAL STATE: Same as water (approximately)

ODOR: slight

ODOR THRESHOLD: Not Established

APPEARANCE: clear, amber liquid

COLOR: Same as water (approximately)

pH: 10 to 11

PERCENT VOLATILE: 30 - 40% (w/w)

FLASH POINT AND METHOD: greater than 200 deg F

AUTOIGNITION TEMPERATURE: Not determined

VAPOR PRESSURE: Not yet Determined

VAPOR DENSITY: Not yet Determined

BOILING POINT: 210 - 215 deg F

FREEZING POINT: approx. 32 deg F

MELTING POINT: Not Applicable

POUR POINT: Same as water (approximately)

THERMAL DECOMPOSITION: Not yet Determined

SOLUBILITY IN WATER: Complete in all proportions.

EVAPORATION RATE: Same as water (approximately)

DENSITY: 8.3 - 8.5 lbs/gal

SPECIFIC GRAVITY: Same as water (approximately)

VISCOSITY: Same as water (approximately)

(VOC): 1.0 to 5.0 percent (w/w)

OXIDIZING PROPERTIES: Not Applicable

10. STABILITY AND REACTIVITY

REACTIVITY: Not determined

HAZARDOUS POLYMERIZATION: None Expected.

STABILITY: Stable under recommended storage conditions (discolors with age)

CONDITIONS TO AVOID: Oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: ammonia

INCOMPATIBLE MATERIALS: Copper and alloys, strong acids, strong oxidizers

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: Not determined

ORAL LD₅₀: Not determined

INHALATION LC₅₀: Not determined

Skin corrosion/irritation: irritating to skin

Serious eye damage/irritation: Eyes - Serious damage (rabbit)

Respiratory or skin sensitisation: May cause allergic skin reaction (guinea pig; OECD Test Guideline 406)

Germ cell mutagenicity: Not determined

CARCINOGENICITY

Chemical Name	IARC Status
Nitriilotriacetic Acid, Trisodium Salt Monohydrate	Group 2B, Possible Human Carcinogen

IARC: No

NTP: No

OSHA: No

NOTES: None Expected.

Reproductive toxicity: Not determined

STOT-single exposure: Not determined

STOT-repeated exposure: Not determined

Aspiration Hazard: May be fatal if swallowed and enter airways.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not determined

ECOTOXICOLOGICAL INFORMATION: Not determined

BIOACCUMULATION/ACCUMULATION: Not determined

AQUATIC TOXICITY (ACUTE): Not determined

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Not regulated as a hazardous material. Dispose in accordance with applicable local, state, and Federal regulations.

FOR LARGE SPILLS: Not Established

PRODUCT DISPOSAL: Product is biodegradable, but introduction into bio-oxidation treatment may cause a reduction in effectiveness until the system acclimates to the material.

EMPTY CONTAINER: Rinse container thoroughly with water and recycle. Empty containers may contain product vapors. Do not cut, saw or weld.

RCRA/EPA WASTE INFORMATION: Not regulated

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: NOT REGULATED

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Irritant (eye), Respiratory Tract Irritation, Skin Irritation

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Nitrilotriacetic Acid, Trisodium Salt Monohydrate	5064-31-3
Ethanol, 2-amino-	141-43-5
Dipropylene Glycol Methyl Ether	34590-94-8
b-alanine, N-(2-carboxymethyl)-N-(2-ethylhexyl)-, sodium salt	94441-92-6

CALIFORNIA PROPOSITION 65

Chemical Name	Wt. %	Listed
Nitrilotriacetic Acid, Trisodium Salt Monohydrate	1 - 3	● Cancer

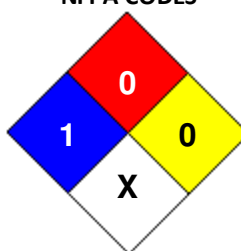
16. OTHER INFORMATION

APPROVED BY: H. Zeller

Date Prepared: 09/21/2019

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	X

NFPA CODES

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