Material Safety Data Sheet

TCU Neutralizer (Tannin/coffee/urine) (RXSOL-41-8760-025)

1. Product and Company Identifaction

Product Name	Tannin/Coffee/Urine Remover TCU Neutralizer
Product Type	**RXSOL-41-8760-025**

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 65113333/ 5555 / 9999 / 27611360 / 27815540
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2. Composition / informationon ingredients

HAZARDOUS INGREDIENTS:	OSHA PEL	TLV
Acetic Acid (CAS # 64-19-7)	10 p.p.m.	10 p.p.m.
Citric Acid (CAS # 77-92-9)	N/E	N/E

3. Hazards Identification

Route(s) of entry Eyes? Yes Skin? Yes Inhalation? Yes Ingestion? Yes
Health Hazards: Eyes –May cause irritation.
Skin –May cause irritation.
Inhalation –Avoid breathing mist. May cause irritation.
Ingestion – May cause irritation.
Carcinogenicity: NTP: Known – No; Anticipated – No OSHA: -No IARC: No

4. First Aid Measures

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Eyes: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.
Skin: Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.
Ingestion: Call a physician or poison control center immediately. Do NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration.

5. Fire-fighting Measures

Flash Point: 159° F (Closed cup)
Extinguishing Media: water spray, dry chemical, carbon dioxide, alcohol foam Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
Use water spray to keep fire-exposed containers cool.
Hazardous Combustion Products: carbon dioxide, carbon monoxide

6. Accidental Release Measures

Use personal protective equipment. Eliminate all ignition sources. Neutralize with soda ash lime Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.
For Large Spills: Use water spray to disperse vapors and flush spill area. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

7. Handling and Storage

Personal Precautionary Measures: Do not get in eyes, on skin, on clothing. Avoid breathing mist or vapor. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Storage: Keep container closed.

8. Exposure controls and personal protection

Country specific exposure limits have not been established or are not applicable unless listed below.
Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level an approved respirator must be worn.
Eye Protection: Wear safety glasses.
Skin Protection: Wear chemical-resistant gloves.

9. Physical and chemical properties

Odor:	Apple vinegar
Physical State:	Liquid.
Appearance:	Clear, Colorless
pH:	2.8 to 3.5
Specific Gravity:	1.02 g/mL
Boiling Point:	N/E
Freezing/Melting Point:	N/E
Vapor Pressure:	N/E
Vapor Density:	N/E
Solubility in Water:	Complete

10. Stability and reactivity

Stability: Stable.
Incompatibility: Material reacts with strong oxidizing agents.
Hazardous Polymerization: Will not occur.

11. Toxicological information

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.
Data for acetic acid.
Oral LD-50:(rat) 3,310 - 3,530 mg/kg
Oral LD-50:(mouse) 4,960 mg/kg

Inhalation LC-50: (mouse) 1 h: 5620 ppm
Dermal LD-50: (rabbit) 1,060 mg/kg
Skin Irritation (rabbit) severe
Eye Irritation (rabbit) severe

12. Ecological information

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.
Acetic acid is a strongly acidic aqueous solution, and this property may cause adverse environmental effects.
Data for a major component:
Oxygen Demand Data:
BOD-5: 340 - 880 mg/g
COD: 1,000 mg/g
Acute Aquatic Effects Data:
96 h LC-50 (fathead minnow): > 100 mg/l
48 h LC-50 (mosquito fish): 251 mg/l
48 h LC-50 (golden orfe): 410 mg/l
96 h LC-50 (daphnid): 100 mg/l

13. Disposal considerations

Contain with chemical absorbent material. Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. All disposal must be in accordance with all federal, state and local regulations.

14. Transport information

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

15. Regulatory information

All components are listed on TSCA

16. Other information

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy.
N/A = Not applicable N/D = Not determined N/E = Not established