


01 Chemical Product and Company Identification

Product Name Formula 54
Product Use Tannin Stain Remover
Product Code
For Medical Emergency Call 'Chemtrec' 1-800-424-9300
Supplier's Information Santec Inc.
 1420 East Linden Avenue, Linden NJ 07036

02 Hazards Identification

GHS Classification: 1. Skin - Category 2
 2. Eyes - Category 2A
GHS Label Element: 

Signal Word: Warning
Hazard Statement: May cause eye or skin irritation.
Precautionary Statements: Wear protective gloves and eye protection. Wash thoroughly after handling.

Acute Effects
Eyes: May cause redness or swelling.
Skin: May cause skin irritation
Inhalation: None.
Ingestion: May cause irritation of gastrointestinal track, nausea, diarrhea.

Chronic Effects
Carcinogenicity: No known critical effects or critical hazards.
Product /Ingredient Name: Not available.

03 Composition/ Information on Ingredients

Name of Hazardous Ingredients	CAS No.	WT.%
Citric Acid Anhydrous	77-92-9	10-20
Sulfonic Acids, C14-16 Alkane Hydroxy and C14-16 Alkane Sodium Salts	68439-57-6	5-10
Diethylene Glycol Monobutyl Ether	112-34-5	1-5
Sodium Hydroxide	1310-73-2	1-5
Cocamidopropylamine Oxide	68155-09-9	1-5
Cocamidopropylbetaine	61789-40-0	1-5

04 First Aid Measures

Eye Contact: Rinse with plenty of water. If irritation persists, seek medical attention.
Skin Contact: Rinse with plenty of water. If irritation persists, seek medical attention.
Inhalation: Move to fresh air. Seek medical attention if irritation persists.
Ingestion: Rinse mouth. Get medical attention if symptoms occurs.

05 Fire Fighting Measures

Suitable Fire Extinguishing Media: Use water spray, fog or foam
Specific Hazards Arising from the Chemical: Not flammable or combustible.
Hazardous Thermal Decomposition Products: No Specific Data
Specific Fire-Fighting Methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Specific Protective Equipment for Fire-Fighters: Use personal protective equipment.

06 Accidental Release Measures

Spill Clean Up: Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move Containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

07 Handling and Storage

Handling: Put on appropriate personal protective equipment (see Section 8). Wash thoroughly after handling.

Storage: Store between the following temperatures: 4.44 to 48.9°C (40 to 120°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from acids. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

08 Exposure Controls/ Personal Protection

Ingredient Name	Exposure Limits
Citric Acid Anhydrous	OSHA PEL15 mg/m ³
Diethylene Glycol Monobutyl Ether	TWA 35 ppm
Sodium Hydroxide	OSHA PEL 2 mg/m ³

Personal Protective Equipment (PPE)

Eyes: Safety glasses.

Skin: Use synthetic apron, other protective equipment as necessary to prevent skin contact.

Body: For prolonged or repeated handling, use gloves. Nitrile gloves. Rubber gloves. Neoprene gloves.

Respiratory: Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

09 Physical and Chemical Properties

Physical State	Clear Liquid
Color	Light Yellow
Odor	Bland
pH	3.5-4.0
Flash point	> 200°F
Explosion limits	Not available
Flammability (solid, gas)	Not available
Melting point	Not available
Boiling point	Not available
Evaporation rate (butyl acetate = 1)	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.10 (Water = 1)
Solubility	Easily soluble in the following materials: cold water and hot water
Partition coefficient n-octano/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Odor threshold	Not available
Viscosity	Kinematic (room temperature): 0-10 cSt (CPS)

10 Stability and Reactivity

Stability: The product is stable.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: None known.

Materials to avoid: None known.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition should not be produced.

11 Toxicological Information

Product /Ingredient Name	Result	Species	Dose
Citric Acid Anhydrous	LD50 Oral	Rat	3000 mg/kg
Sulfonic Acids, C14-16 Alkane Hydroxy and C14-16 Alkan Sodium Salts	LD50 Oral	Rat	2310 mg/kg
Diethylene Glycol Monobutyl Ether	LD50 Oral	Rat	5660 mg/kg
Sodium Hydroxide	LD50 Oral	Rat	500 mg/kg
Cocamidopropylamine Oxide	LD50 Oral	Rat	500-5000 mg/kg
Cocamidopropylbetaine	LD50 Oral	Rat	4900 mg/kg

12 Ecological Information

N/A

13 Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

14 Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Classes	PG*	Label
DOT Classification	not regulated	-	-	-	-

Note: DOT classification applies to most package sizes. For specific container size classifications or size exceptions, refer to the bill of lading with your shipment.

PG*: Packing Group

15 Regulatory Information

U.S. Federal Regulations

TSCA 8(b) inventory: All components are listed or exempted.

SARA 302/304/311/312 extremely hazardous substances: No listed substance

SARA 302/304 emergency planning and notification: No listed substance

SARA 313	Product name	CAS number	Concentration
Form R-Reporting requirements	No listed substance		

16 Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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*Hazard Determination System (HDS):

Health	1
Reactivity	0
Flammability	0

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimum hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.