

SAFETY DATA SHEET

TC-99	<i>SDS Number: TC-99</i>	<i>Revision Date: 08/06/2019</i>
--------------	--------------------------	----------------------------------

1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: TC-99
 Product Code: TC-99
 Product Use: Non-Acid Scum and Scale Remover
 Synonyms: Waterborne Detergent Degreaser
 Chemical Formula: Mixture of substances listed below with nonhazardous additions
 Restrictions: Institutional, Commercial and Retail Restroom and Tile Cleaning Use Only



Manufacturer: Surtec, Inc.
 1880 N. MacArthur Dr
 Tracy, CA 95376
 209.820.3700
 Toll Free 800.877.6330

Emergency contact: Chemtrec 800.424.9300
 CCN No. 21541

2. HAZARD IDENTIFICATION:

GHS CLASSIFICATION:

<u>HEALTH</u>	<u>ENVIRONMENTAL</u>	<u>PHYSICAL</u>
<p><i>Serious Eye Damage: Category 1</i> <i>Skin Irritation: Category 2</i> <i>Specific target organ toxicity, repeated exposure: Category 2 (Respiratory System)</i></p>	<p><i>Acute Toxicity: None Known</i> <i>Chronic Toxicity: None Known</i></p>	<p><i>None</i></p>
	<p><u>Signal Word:</u> Danger</p>	
<p>Hazard Statements Causes skin irritation Causes serious eye damage May cause damage to organs through prolonged or repeated exposure</p>		
<p>Precautionary Statements Wear protective gloves/protective clothing/eye protection/face protection Avoid breathing mist or spray.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician. IF ON SKIN: Remove immediately all contaminated clothing. Rinse skin with water for several minutes. If skin irritation occurs or persists: Get medical attention. Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or physician. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>Store in a closed container. Dispose of contents/container in accordance with local regulation.</p>		

SAFETY DATA SHEET

TC-99

SDS Number: TC-99

Revision Date: 08/06/2019

3. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT	CAS NO.	PERCENT	HAZARDOUS
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE	64-02-8	5 - 6%	YES
NONYLPHENOL POLYETHYLENE GLYCOL ETHER	127087-87-0	2 - 3%	YES
POTASSIUM HYDROXIDE	1310-58-3	0.2 - 0.5%	YES
SODIUM HYDROXYACETATE	2836-32-0	0.1 - 0.5%	YES
SODIUM HYDROXIDE	1310-73-2	0.1 - 0.5%	YES
TRISODIUM NITRILOTRIACETATE	5064-31-3	0.1 - 0.2%	YES

Exact Percentages are being withheld as trade secret information.

4. FIRST-AID MEASURES:

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Skin Contact: Remove immediately all contaminated clothing. Rinse with water for several minutes. If skin irritation occurs or persists: get medical attention. Wash contaminated clothing before reuse.

Inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or physician.

5. FIRE-FIGHTING MEASURES:

Fire Extinguishing media: Use water spray, dry chemical, carbon dioxide or regular foam. Move containers away from fire area if it can be done without risk.

Hazards during fire-fighting:

Containers may rupture when exposed to extreme heat.

Protective equipment for fire-fighting:

Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:

Use recommended personal protective clothing and equipment. To prevent slipping, do not walk through spilled material.

Environmental precautions:

Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off of work area, and material should be absorbed, collected and disposed of in accordance with regulations. Keep product from entering storm drains. Consult local and federal guidelines for proper disposal of these materials.

Cleanup:

- For small amounts of released material: Mop or vacuum up then transfer to suitable container for disposal. - For large amounts of released material: Dike around spilled material to contain. Spilled material may be mopped or vacuumed up, then transferred to plastic containers for disposal.

SAFETY DATA SHEET

TC-99	SDS Number: TC-99	Revision Date: 08/06/2019
--------------	-------------------	---------------------------

7. HANDLING and STORAGE:

Handling:

General advice - No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.

Storage:

General advice - Protect against physical damage. Store in tightly closed containers in a cool, well ventilated area. Do not allow product to freeze.

Shelf Life:

12 months

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

Advice on system design:

Provide local exhaust ventilation to control vapors for published exposure limits.

Personal protective equipment (HMIS rating 'B'):

Eye protection: Wear safety glasses with side shields or safety goggles to prevent exposure or full face shield if splash hazard exists.

Skin protection: Chemical-resistant gloves. Wear appropriate protective clothing to prevent possible skin contact.

Respiratory protection: Not normally required. Avoid breathing mists or spray. Use proper NIOSH-OSHA respirator if ventilation is inadequate.

General safety and hygiene measures: Exercise stringent hygiene practices to minimize exposure. If contact occurs, wash any body part with soap and water immediately. Wash hands after use, and before eating, drinking or smoking.

Other protective measures:

Nearby running water on the job site is necessary, should an accident occur.

Exposure Guidelines:

ACGIH TLV: 2 mg/m³ (1310-58-3), 2 mg/m³ (1310-73-2)

STEL: Not Established

OSHA PEL: 2 mg/m³ (1310-58-3), 2 mg/m³ (1310-73-2)

9. PHYSICAL and CHEMICAL PROPERTIES:

Appearance:	Clear Light Amber Liquid	Flash Point:	None
Odor:	Mild Detergent	Upper/Lower Flammability Limits:	No information available
pH value:	12.7+/- 0.2 (Concentrate) 11 +/- 0.2 (Use dilution 1:10)	Relative Density (water):	1.04
		Auto-Ignition Temperature:	No information available
		Decomposition temperature:	No information available
Specific gravity:	1.04 (H ₂ O = 1)	Partition Coefficient	No information available
Solidification temperature:	No information available	Odor Threshold	No information available
Freezing/Melting point:	32 °F (0 °C)	Viscosity:	~ 100 cps.
Boiling point:	212°F (100 °C)	Partition Coefficient	No information available
Vapor density:	No information available	Solubility in water:	100%
Vapor pressure:	No information available		
Evaporation Rate:	No information available		
Regulatory VOC:	<0.1 % by weight (concentrate) <0.1 % by weight (at routine use concentration – 1:10)		

SAFETY DATA SHEET

TC-99

SDS Number: TC-99

Revision Date: 08/06/2019

10. STABILITY and REACTIVITY:

Conditions to avoid: Freezing. Excessive heat or flame.

Substances to avoid: Strong oxidizing agents, acids and bases.

Hazardous reactions: Product is chemically stable under normal conditions of use and storage.

Decomposition or By-products: In fire conditions: carbon monoxide (CO), carbon dioxide (CO₂) and nitric oxides (NO_x).

11. TOXICOLOGY INFORMATION:

Acute Toxicity (Symptoms):

Oral: Ingestion may cause nausea, vomiting, and diarrhea.

Eye irritation: Can cause serious eye damage. Severe irritation, conjunctivitis, redness. Contact may cause permanent eye damage.

Skin irritation: Irritation and redness.

Inhalation: Irritation to the respiratory tract, headache and dizziness.

Sensitization: Skin: N/A. Respiratory: N/A

Chronic Toxicity: Target Organ Effects - Repeated Exposure: May cause damage to organs (respiratory system) through prolonged or repeated exposure

Carcinogenicity: No human carcinogenic substances as defined by ACGIH, NTP and/or OSHA. IARC classifies Trisodium Nitritotriacetate as Group 2B: Possibly carcinogenic to humans. Product not classifiable as a human carcinogen.

12. ECOLOGICAL INFORMATION:

Biodegradation:

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Not Established

Environmental toxicity:

Acute and prolonged toxicity to fish: Not Established

Toxicity to microorganisms: Not Established

Other ecotoxicological advice: Not Established

13. DISPOSAL CONSIDERATIONS:

Waste disposal of substance: Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

Container disposal: Dispose of in a licensed facility in accordance with local regulations.

RCRA:

Unspecified.

14. TRANSPORTATION INFORMATION:

DOT:

Proper Shipping Name: COMPOUND CLEANING LIQUID (NON-HAZARDOUS)

SAFETY DATA SHEET

TC-99	SDS Number: TC-99	Revision Date: 08/06/2019
--------------	--------------------------	----------------------------------

15. REGULATORY INFORMATION:

Federal Regulations:

Registration status:

TSCA, US: All components are listed or exempt.

SARA hazard category (EPCRA 311/312): Acute health hazard
Chronic health hazard

SARA TITLE III, SECTION 313:

CAS Number: _____ Chemical Name: _____

None

State Regulations:

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

CAS Number: _____ Chemical Name: _____

None

CA Cleaning Product Right To Know Act of 2017: Ingredient Disclosure

INGREDIENT	CAS NUMBER	FUNCTION
WATER	7732-18-5	DILUENT
TALL OIL FATTY ACID	61790-12-3	SOAP CONSTITUENT
NONYLPHENOL POLYETHYLENE GLYCOL ETHER	127087-87-0	DETERGENT
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE	64-02-8	CHELANT
POTASSIUM HYDROXIDE	1310-58-3	SOAP CONSTITUENT
SODIUM HYDROXYACETATE	2836-32-0	CHELANT
SODIUM HYDROXIDE	1310-73-2	ALKALINE BUILDER
TRISODIUM NITRILOTRIACETATE	5064-31-3	CHELANT

16. OTHER INFORMATION:

NFPA Rating:

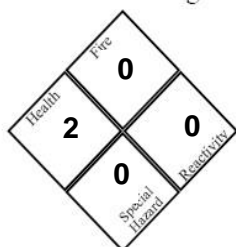
Health: 2 Fire: 0 Reactivity: 0 Special Hazard: none

HMIS III Rating:

Health: 2 Flammability: 0 Physical Hazard: 0
Personal Protection: B (safety glasses with side shields and chemical-resistant gloves)

Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.

NFPA Rating



HMIS Rating

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

SAFETY DATA SHEET

<i>TC-99</i>	<i>SDS Number: TC-99</i>	<i>Revision Date: 08/06/2019</i>
---------------------	---------------------------------	---

Prepared by: Surtec, Inc., 08/06/19 ***Revision No.:*** Original

Contact Information:

Surtec, Inc.

209-820 3700; Toll Free 800-877-6330 (8 a.m. to 5 p.m., M-F, PST)

www.surtecssystem.com

Notice: The information provided is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

Warranty: This is a proprietary SURTEC product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over product use, no warranty is made as to the effects of such use (neither expressed nor implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact SURTEC with any questions regarding this policy.