

SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	3396	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	STERI-TAB	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Disinfectant Tablets	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Eye Irritant. 2A H319 STOT Single Exposure: 3 H335 Full text of H statements: See Section 16.	SIGNAL WORD: WARNING	SYMBOL:	
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HAZARD STATEMENTS:

Causes serious eye irritation.
May cause respiratory irritation.

PRECAUTIONARY STATEMENTS:

Prevention: Avoid breathing dust, fume. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection, face protection.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER, a doctor if you feel unwell. If eye irritation persists: Get medical advice/attention.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container to comply with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Direct contact with wet material or moist skin may cause irritation, pain and possibly burns. Dry material is less irritating than wet material. This material is not a skin sensitizer.

UNKNOWN ACUTE TOXICITY (GHS US):

Not available.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight	GHS-US Classification
Trosclose Sodium	2893-78-9	30-65	Ox. Sol. 2, H272 Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Adipic Acid	124-04-9	10-35	Eye Irrit. 2A, H319
Sodium Carbonate	497-19-8	2-12	Eye Irrit. 2A, H319

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: Take off immediately all contaminated clothing.

EYES: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

SKIN: Wash with water and soap. If skin irritation or rash occurs: Get medical advice/attention.

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.

INGESTION: Call a physician immediately. Rinse mouth with water. Drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Symptoms/injuries: Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

Symptoms/injuries after inhalation: This material contained in this tablet in sold form is not expected to produce respiratory effects. Particles of respiratory size are generally not encountered. The respirable fraction for the tablet's active ingredients is typically less than 0.1% by weight for the granular and extra granular grades. If it is ground or otherwise in a powdered form, effects similar to a corrosive substance may occur. May cause severe irritation of the respiratory tract with coughing, choking, pain and possibly burns of the mucous membranes. If significant or prolonged exposure occurs. Pulmonary edema may develop, either immediately or, more often, within a period of 5-72 hours. The symptoms may include tightness in the chest, dyspnea, frothy sputum, cyanosis and dizziness. Physical findings may include moist rales, low blood pressure and high pulse pressure. Severe cases may be fatal.

Symptoms/injuries after skin contact: Direct contact with wet material or moist skin may cause severe irritation, pain and possibly burns. Dry material is less irritating than wet material. This material is not a skin sensitizer.

Symptoms/injuries after eye contact: This material is irritating to the eye. Direct contact may cause severe irritation, pain and burns, possibly severe and permanent damage including blindness. The degree of injury depends on the concentration and duration of contact.

Symptoms/injuries after ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Harmful if swallowed. Ingestion may cause immediate pain and severe burns of the mucous membranes. There may be discoloration of the tissues. Swallowing and speech may be difficult at first and then almost impossible. The effects on the esophagus and gastrointestinal tract may range from irritation to severe corrosion. Edema of the epiglottis and shock may occur.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

Symptoms may be delayed. Keep watching the victim. Probably mucosal damage may contraindicate to the use of gastric lavage.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Adapt extinguishing media to the environment. Water. MAJOR FIRE: Foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Use water only; no dry chemical, CO₂ or Halon.

FIREFIGHTING INSTRUCTIONS:

Exercise caution when fighting any chemical fire.

REACTIVITY:

Thermal decomposition may produce: Chlorine. Nitrogen. Nitrogen trichloride. Cyanogen chloride, unstabilized. Carbon oxides. Phosgene. The product is nonreactive under normal conditions of use, storage and transport.

SPECIFIC FIRE-FIGHTING METHODS:

Using a 10% solution of sodium carbonate, thoroughly decontaminate firefighting equipment including all firefighting wearing apparel after the incident.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Standard protective clothing and equipment (Self Contained Breathing Apparatus) for firefighters.

6. Accidental Release Measures

GENERAL MEASURES:

Evacuate unnecessary personnel.

FOR NONEMERGENCY PERSONNEL

Protective Equipment: Protective clothing. Ventilate the area thoroughly, especially low lying areas (basements, work pits, etc.). Protective goggles. Gloves.

Emergency Procedures: Avoid contact with skin and eyes. Prevent dust cloud formation.

FOR EMERGENCY PERSONNEL:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Stop release. Ventilate area.

ENVIRONMENTAL PRECAUTIONS:

Avoid release to the environment. Prevent entry to sewers and public waters.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Collect spillage. Recover mechanically the product. Do not add water to spilled material. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean, dry containers for disposal. Do not close drums containing wet or damp material. Do not transport wet or damp material. For further information refer to Section 8 Exposure controls/personal protection.

7. Handling and Storage

ADDITIONAL HAZARDS WHEN PROCESSED:

Where excessive dust may result, use approved respiratory protection equipment.

PRECAUTIONS FOR SAFE HANDLING:

Wear eye protection, face protection, protective clothing, protective gloves. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid dust formation. Avoid breathing dust.

HYGIENE MEASURES:

Wash contaminated clothing before reuse.

STORAGE CONDITIONS:

Keep only in original container. Store in a dry place. Store in a well-ventilated place. Keep cool. Protect from sunlight. Keep container tightly closed.

INCOMPATIBLE PRODUCTS:

Acids.

INCOMPATIBLE MATERIALS:

Moisture.

STORAGE TEMPERATURE:

< 25°C.

STORAGE AREA:

Store in a cool area. Store in a dry area.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

No additional information available.

PERSONAL PROTECTIVE EQUIPMENT: Gloves. Protective clothing. Protective goggles. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



Eye/Face Protection: Protective goggles.

Skin Protection: Gloves. Protective clothing.

APPROPRIATE ENGINEERING CONTROLS:

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. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

9. Physical & Chemical Properties			
Appearance:	White solid.	Flammability(solid/gas):	No data available.
Physical State:	Solid.	Explosion Limits:	No data available.
Odor:	Slight chlorine-like.	Explosive Properties:	No data available.
Odor Threshold:	No data available.	Vapor Pressure:	No data available.
pH:	5.5 – 6.5 @ 20°C	Relative Density:	No data available.
Melting Point:	No data available.	Solubility:	Soluble in water.
Boiling Point:	No data available.	Auto-Ignition Temp:	No data available.
Flash Point:	No data available.	Decomposition Temp:	225 - 250°C
Viscosity:	No data available.	Relative Vapor Density at 20°C:	No data available.
Viscosity, Kinematic:	No data available.	Log Pow:	No data available.
Viscosity, Dynamic:	No data available.	Log Kow:	No data available.
Oxidizing Properties:	No data available.	Relative Evaporation Rate (butyl acetate=1):	No data available.

10. Stability & Reactivity Information	
REACTIVITY:	Thermal decomposition may produce: Chlorine. Nitrogen. Nitrogen trichloride. Cyanogen chloride, unstabilized. Carbon oxides. Phosgene. The product is nonreactive under normal conditions of use, storage and transport.
CHEMICAL STABILITY:	No additional information available.
POSSIBILITY OF HAZARDOUS REACTIONS:	Contact with acids liberates toxic gas. No contact with flammable substances.
CONDITIONS TO AVOID:	No additional information available.
INCOMPATIBLE MATERIALS:	Strong acids. Strong bases. Combustible materials. The active ingredient in this preparation is a strong oxidizing agent. The preparation of concentrated solutions or slurries is not recommended. Avoid contact with water on concentrated material in the container. Also avoid contact with easily oxidizable organic material: ammonia, urea or similar nitrogen containing compounds; inorganic reducing compounds: floor sweeping compounds; calcium hypochlorite and alkalis. Do not get water inside packaging.
HAZARDOUS DECOMPOSITION PRODUCTS:	No additional information available.

11. Toxicological Information	
PRIMARY ROUTE OF ENTRY:	Skin and eyes contact.
Eyes:	This material is irritating to the eye. Direct contact may cause severe irritation, pain and burns, possibly severe, and permanent damage including blindness. The degree of injury depends on the concentration and duration of contact.
Skin:	Direct contact with wet material or moist skin may cause severe irritation, pain and possibly burns. Dry material is less irritating than wet material. This material is not a skin sensitizer.
Inhalation:	This material contained in this tablet in solid form is not expected to produce respiratory effects. Particles of respiratory size are generally not encountered. The respirable fraction for the tablet active ingredient is typically less than 0.1% by weight for the granular and extra granular grades. If it is ground or otherwise in a powdered form, effects similar to a corrosive substance may occur. May cause severe irritation of the respiratory tract with coughing, choking, pain and possibly burns of the mucous membranes. If significant or prolonged exposure occurs, pulmonary edema may develop, either immediately or, more often, within a period of 5-72 hours. The symptoms may include tightness in the chest, dyspnea, frothy sputum, cyanosis and dizziness. Physical findings may include moist rales, low blood pressure and high pulse pressure. Severe cases may be fatal.
Ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Harmful if swallowed. Ingestion may cause immediate pain and severe burns of the mucous membranes. There may be discoloration of the tissues. Swallowing and speech may be difficult at first and then almost impossible. The effects on the esophagus and gastrointestinal tract may range from irritation to severe corrosion. Edema of the epiglottis and shock may occur.
ACUTE TOXICITY:	Oral: Not classified.
Product	Species
Sodium Carbonate (497-19-8)	
LD50 Oral Rat	2800 mg/kg (Rat; Experimental value)
LD50 dermal rabbit	>2000 mg/kg (Rabbit; Experimental value)
ATE CLP (oral)	2800.00 mg/kg body weight
Trosclosene Sodium (2893-78-9)	
ATE CLP (oral)	500.000 mg/kg body weight
SKIN CORROSION/IRRITATION:	Not classified. pH: 5.5- 6.5 @ 20°C
SERIOUS EYE DAMAGE/EYE IRRITATION:	Causes serious eye irritation. pH: 5.5- 6.5 @ 20°C
RESPIRATORY SENSITIZATION:	Not classified.
SKIN SENSITIZATION:	Not classified.
GERM CELL MUTAGENICITY:	Not classified.
CARCINOGENICITY:	Not classified.
REPRODUCTIVE TOXICITY:	Not classified.

SPECIFIC TARGET ORGAN TOXICITY -Single Exposure:

May cause respiratory irritation.

SPECIFIC TARGET ORGAN TOXICITY -Repeated Exposure:

Not classified.

ASPIRATION HAZARD:

Not classified.

12. Ecological Information**TOXICITY:**

Sodium Carbonate (497-19-8)

LC50 fish 1 300 mg/l (LC50; Other; 96 h; Lepomis macrochirus; Static system; Fresh water; Experimental value)
 Threshold limit algae 1 242 mg/l (EC50; 5 days; Algae)

PERSISTENCE AND DEGRADABILITY:

Sodium Carbonate (497-19-8)

Persistence and Degradability Biodegradability: Not applicable. Low potential for adsorption in soil.
 ThOD Not applicable (inorganic)

BIOACCUMULATIVE POTENTIAL:

Sodium Carbonate (497-19-8)

Log Pow -6.19 (Estimated value)
 Bioaccumulative Potential Low potential for bioaccumulation (Log Kow <4).

13. Disposal Consideration**DISPOSAL INSTRUCTIONS:**

Dispose of contents/container to comply with local/regional/national regulations. Do not put product, spilled product, partially filled containers into the waste compactor. Contact with incompatible materials could cause a reaction and fire. Do not transport damp or wet material. Neutralize materials to a nonoxidizing state for safe disposal.

WASTE DISPOSAL RECOMMENDATIONS:

Do not remove as household garbage.

14. Transportation Information

DOT: In accordance with DOT: Not regulated for transport.

ADR: No additional information available.

Other Information: No supplementary information available.

IATA: UN Number: UN3077

UN Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (Dichloroisocyanuric acid, salts)

Transport Hazard Class(es):

Class: 9 – Miscellaneous Dangerous Goods.

Packing Group: III – minor danger.

IMDG: UN Number: UN3077

UN Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (Dichloroisocyanuric acid, salts)

Transport Hazard Class(es):

Class: 9 – Miscellaneous dangerous compounds

Packing Group: III – Substances presenting low danger.

Limited Quantities: Can be shipped as limited quantity when packed in inner or single packs ≤ 5 kg.

15. Regulatory Information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or clothing.

Avoid breathing dust. Wear chemical-resistant gloves and safety glasses or faceshield when making up solution. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

CALIFORNIA PROPOSITION 65:

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

16. Other Information**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability 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 hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.