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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name United 258 STAT-TABS

Other means of identification

SDS # UNITED-258

Registration Number(s) EPA reg. No. 71847-6-9250

UN/ID No UN3077

Recommended use of the chemical and restrictions on use

Recommended Use Disinfectant Tablets

Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Supplier Address

United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com
www.unitedlabsinc.ca

Emergency Telephone Number

Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance White solid

Physical State Solid

Odor Slight chlorine-like

Classification

Eye irritation	Category 2A
STOT SE	Category 3

Signal Word

Warning

Hazard Statements

Causes serious eye irritation. May cause respiratory irritation.



Precautionary Statements - Prevention

Do not breathe dust. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection, face protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center, or doctor if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

Dispose of contents/container to comply with local, regional, national, and international regulations.

Other hazards

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Troclosene sodium	2893-78-9	30-65
Adipic acid	124-04-9	10-35
Sodium carbonate	497-19-8	2-12

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Rinse immediately with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Skin Contact	Wash with water and soap. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	Remove 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 and effects

Symptoms

Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

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.

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.

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.

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 any immediate medical attention and special treatment needed**Notes to Physician**

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

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water. Foam. Adapt extinguishing media to the environment.

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

Specific Hazards Arising from the Chemical

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

Protective equipment and precautions for firefighters

Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Standard protective clothing and equipment, SCBA, for firefighters.

Specific methods

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

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Use personal protective equipment as required. Evacuate unnecessary personnel. Ventilate the area thoroughly, especially low lying areas (basements, work pits, etc.) Protective goggles. Gloves. Avoid contact with skin and eyes. Prevent dust cloud formation. Protective equipment: Equipment clean-up crew with proper protection. Stop leak if safe to do so. Stop release. Ventilate area. For further information refer to Section 8 of this SDS.
Environmental precautions	Avoid release to the environment. Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

Methods for Containment and methods for Clean-up	Collect spillage if safe to do so. 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.
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7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling	Where excessive dust may result, use approved respiratory protection equipment. 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. Wash contaminated clothing before reuse.
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Conditions for safe storage, including any incompatibilities

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 Materials	Acids, moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Engineering Controls	Ventilate rates should be matched for conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Protective goggles.
Skin and Body Protection	Protective gloves and protective clothing.
Respiratory Protection	None required if good ventilation is maintained.
General Hygiene Considerations	Use appropriate personal protective equipment when risk assessment indicates this is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid	Odor	Slight chlorine-like
Appearance	White solid	Odor Threshold	Not determined
Color	White		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.5-6.5 @ 20°C	
Melting Point/Freezing Point	No information available	
Boiling Point/Boiling Range	No information available	
Flash Point	No information available	
Evaporation Rate	No information available	
Flammability (Solid, Gas)	Liquid- Not applicable	
Upper Flammability Limits	Not information available	
Lower Flammability Limit	Not information available	
Vapor Pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition Coefficient	No information available	
Auto-ignition Temperature	No information available	
Decomposition Temperature	225-250°C	
Kinematic Viscosity	No information available	
Dynamic Viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	
VOC content	None	

10. STABILITY AND REACTIVITY

Reactivity

Thermal decomposition may produce: Chlorine. Nitrogen. Nitrogen trichloride. Cyanogen chloride, unstabilized. Carbon oxides. Phosgene. The product is non-reactive 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 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

Information on likely routes of exposure

Skin and eye contact.

Product Information

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
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
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.
STOT SE	May cause respiratory irritation.
STOT RE	No information available.
Aspiration hazard	No information available.

Component Information

Sodium carbonate CAS 497-19-8 – LD50 Oral/Rat = 2800 mg/kg (experimental value) LD50 Dermal/Rabbit = >2000 mg/kg (experimental value) / ATE CLP/Oral = 2800 mg/kg body weight. **Troclosene sodium** CAS 2893-78-9 – ATE CLP/Oral = 500.00 mg/kg body weight.

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not classified.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Not determined.

Persistence/Degradability

Biodegradability not applicable. Low potential for absorption in soil.

Bioaccumulation

Sodium carbonate (497-19-8) Log Pow: -6.19 (estimated value) Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

Mobility

Not determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
Additional information	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 non-oxidizing state for safe disposal.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Shipping in single gallons or less than in a container under DOT may be shipped: Consumer Commodity ORM-D until 1-1-2020.

DOT

UN/ID No	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Dichloroisocyanuric acid, salts)
Hazard Class	9
Packing Group	III

IATA

UN/ID No	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Dichloroisocyanuric acid, salts)
Hazard Class	9
Packing Group	III

IMDG

UN/ID No	UN3077
Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s. (Dichloroisocyanuric acid, salts)
Hazard Class	9
Packing Group	III
Limited quantities	Can be shipped as a limited quantity when packed in inner or single packs ≤5kg.

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

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.

US State Regulations

California Proposition 65

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. State Right-to-Know Regulations

Not determined.

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling 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. Listed below is the hazard information as required on the pesticide label. EPA REG: 71847-6-9250

DANGER

CORROSIVE

Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through the skin.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 2	Flammability 0	Reactivity 0	Special Hazards Not determined
<u>HMIS</u>	Health Hazards 2	Flammability 0	Reactivity 0	Personal Protection B

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Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet