

SAFETY DATA SHEET

Revision Date: March 15, 2015

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SECTION 1: IDENTIFICATION

Product Identifier

Product Name: Super QT Sanitizing Tablet
EPA No: 1839-142-3522

Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Sanitizer

Details of the Supplier of the Safety Data Sheet

Supplier Address: Luseaux Laboratories, Inc. Luseaux Laboratories Inc.
4625 N Santa Fe Drive or 16816 Gramercy Place
Kingman, AZ 86401 Gardena, CA 90247

Emergency Telephone Number

Company Phone Number: Arizona Location: 928-692-0192
California Location: 310-324-1555

Emergency Telephone: CHEMTREC: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Appearance: White tablet **Physical State:** Solid **Odor:** Quaternary ammonium odor

Classification

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1



Signal Word

Danger

Hazard Statements

May be corrosive to eyes and skin. Harmful or fatal if swallowed. Product may form explosive dust/air mixtures if high concentration of product dust is suspended in air.

Precautionary Statements – Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling.

Precautionary Statements – Response

Immediately call a poison center or doctor/physician.

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 doctor/physician.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF INALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

Precautionary Statements – Storage

Store locked up.

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight %
Urea	57-13-6	55
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	20
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	20
Water	7732-18-5	2.5
Amines, C12-18-alkyldimethyl	68391-04-8	<2.5

SECTION 4: FIRST AID MEASURES

First Aid Measures

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a poison center or doctor/physician.

Skin Contact:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediately call a poison center or doctor/physician.

Ingestion:

Call a physician or poison control center immediately. Rinse mouth thoroughly. Do not induce vomiting. **Note to physician:** If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

Contact with this material will cause burns to the skin, eyes and mucous membranes.

SECTION 5: FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water spray. Water fog. Foam. Dry chemical powder. Carbon Dioxide (CO₂). Apply extinguishing media carefully to avoid creating airborne dust.

Unsuitable Extinguishing Media: None known.

Specific Hazards Arising from the Chemical

Explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. During fire, gasses hazardous to health may be formed.

Protective equipment and precautions for firefighters

In case of fire and/or explosion, do not breathe fumes. In the event of fire, cool tanks with water spray. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures**

Personal Precautions: immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind from spill/leak. Use only non-sparking tools. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Wear appropriate protective equipment and clothing during clean-up. Do not breathe dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8.

Environmental Precautions: Avoid release to the environment. Contact local authorities in case of spillage to ordain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Eliminate all ignition sources. Collect spillage. Avoid dispersal of dust in the air. If sweeping of a contaminated area is necessary, use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements or confined areas.

Methods for Cleaning Up: Minimize dust generation and accumulation. Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up. Should not be released into the environment. Prevent product from entering drains. Do not allow material to contaminate ground water system. Small Dry Spills: With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Collect dust using a vacuum cleaner equipped with HEPA filter. Following product recover, flush area with water. See Section 13 for waste disposal. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or the Regional Office of the EPA.

SECTION 7: HANDLING AND STORAGE**Precautions for Safe Handling**

Advice on Safe Handling: Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Prevent dust accumulation to minimize explosion hazard. Do not breathe dust. Do not get this material in contact with eyes, skin, or clothing. Use only indoors or in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink, or smoke. Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

Conditions for Safe Storage, Including and Incompatibilities

Storage Conditions: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. Keep away from heat, sparks and open flame. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10). Guard against dust accumulation of this material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Appropriate Engineering Controls**

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.

Individual Protections Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear safety glasses with side shields (goggles) and a face shield.

Skin and Body Protection: Wear suitable protective clothing. Wear protective gloves.

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. Wear positive pressure self-contained breathing apparatus (SCBA).

General Hygiene Considerations: When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information and Basic Physical and Chemical Properties**

Physical State: Solid

Appearance: White tablet

Odor: Mild quaternary ammonium odor

Color: White

Property	Value	Property	Value
pH – 10% solution	6.5 to 8.5	Melting/freezing point	Not determined
Boiling point	Not determined	Flash point	> 201° F
Evaporation rate	Slower than ethyl ether	Flammability	Not flammable
Flammability limits/ air	Not determined	Vapor pressure	Not determined
Vapor density	Heavier than air	Specific gravity	Not applicable
Water solubility	Not determined	Solubility in other solvents	Not determined
Partition coefficient	Not determined	Auto-ignition temp	Not determined
Decomposition temp	Not determined	Kinematic viscosity	Not determined
Dynamic Viscosity	Not determined	Explosive properties	Not determined
Oxidizing properties	Not determined	Bulk Density	38.3 lb/ft ³

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical Stability

Stable under normal conditions

Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible Materials

Strong oxidizing agents. Anionic surfactants.

Hazardous Decomposition Products

Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact	May cause eye damage.
Skin Contact	May cause severe skin burns.
Inhalation	Dusts of this product may cause irritation of the nose, throat, and respiratory tract.
Ingestion	This product may be harmful or fatal if swallowed.
Acute Effects	Fatal if inhaled. Toxic if swallowed.

Component Information

Product	Oral LD50	Dermal LD50	Inhalation LC50
Super QT Sanitizing Tablets	50 – 500 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	0.054 – 0.51 mg/l

Information on Physical, Chemical and Toxicological Effects

Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as a human carcinogen.
Reproductive effects	This product is not expected to cause reproductive or developmental effects.

SECTION 12: ECOLOGICAL INFORMATION

Readily biodegradable. Very toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

Disposal of Wastes	<p>PESTICIDE DISPOSAL – Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.</p> <p>CONTAINER DISPOSAL – Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse empty container with water. Then offer for recycling. If not available, puncture and dispose of in sanitary landfill.</p>
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SECTION 14: TRANSPORT INFORMATION

Based on package size, product may be eligible for limited quantity exception. Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

<u>DOT</u>	UN1759, Corrosive Solid, N.O.S., 8, PG III, (Quaternary Ammonium Chlorides)
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SECTION 15: REGULATORY INFORMATION**US Federal Regulations**

This product is a US EPA registered pesticide.

CERCLA

None

Section 302 Extremely hazardous substance

No

Section 311 hazardous chemical

Yes

SECTION 16: OTHER INFORMATION

<u>NFPA</u>	Health Hazards 3	Flammability 1	Instability 0	
<u>HMIS®</u>	Health 3	Flammability 1	Physical Hazard 0	Personal Protection X

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information 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