



SAFETY DATA SHEET

SECTION 1. PRODUCT & COMPANY IDENTIFICATION

Material Name: LIQUID TIMSEN Disinfectant / Sanitizer
Product Use Dilution: 0.25 to 1 ounce per gallon in water.
Manufacturer: Unit Chemical Corporation
7360 Commercial Way
Henderson, NV 89011
Telephone: (702) 564-6454 / (800) 879-8648
Medical Telephone: 911

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview:

Appearance: Liquid
Color: Clear
Fragrance: Quaternary

GHS Classification:

Acute Toxicity: Category 4
Skin Corrosion/Irritation: Category 1B
Eye Corrosion/Irritation: Category 1

GHS Label Elements:

Pictograms:



Signal Word: Danger

Hazard Statements: Harmful if swallowed.
Causes severe skin burns and eye damage.

Precautionary:

Prevention:

Wash skin thoroughly after handling.
Wear eye protection / face protection / protective gloves.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician if you feel unwell.

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

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.

Potential Health Effects - Carcinogenicity:

IARC	No component of this product is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product is identified as a known or anticipated carcinogen by NTP.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Percent</u>
Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride	68391-01-5	< 10%
Other components below reportable levels		80 - < 90%

SECTION 4. FIRST AID MEASURES

General Advice:	Move out of dangerous area. Show this safety sheet to the doctor in attendance. Do not leave victim unattended.
Inhalation:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
Skin Contact:	Wash skin thoroughly with soap and water. If on clothes, remove clothes. If skin irritation persists, call a physician.
Eye Contact:	Protect unharmed eye. Remove contact lenses. Immediately flush eye(s) with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
Ingestion:	Keep respiratory tract clear. Never give anything by mouth to an unconscious person. Clean mouth with water first and then drink plenty of water. Do not give milk or alcoholic beverages. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If symptoms persist, call a physician.
Note to Physician:	If the product is ingested, probably mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

SECTION 5. FIRE FIGHTING MEASURES:

Extinguishing Media:	Water spray, foam, dry agent (carbon dioxide, dry chemical powder).
Unsuitable Media:	None known.
Hazardous Thermal Decomp Products:	Decomposition product may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxide, and smoke.
Fire Fighting Method:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dike the area of fire to prevent runoff.
Special Protective Fire-Fighter Equipment:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. No unusual fire or explosion hazards noted.

SECTION 6. ACCIDENTAL RELEASE MEASURES:

- Personal Precautions:** Initiate company's spill response procedures. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not walk through spilled material. Surface may be slippery after spillage.
- Environmental Precautions:** Avoid contact of spilled material and runoff with soil and surface waterways.
- Methods for Cleaning Up and Containment:** Contain spill with absorbent (soil, sand, or other inert material) or spill kit to prevent contamination of soil and surface waterways. Properly dispose of used absorbents in accordance with local, state, and federal regulations.

SECTION 7. HANDLING AND STORAGE:

- Handling Precautions:** Do not ingest. Do not get in eyes, on skin, or on clothing. Keep container closed. Wash hands thoroughly after use. As with all chemicals, good industrial hygiene practices should be followed when handling this material.
- Storage Precautions:** Keep out of reach of children. Store in a dry place. Avoid freezing or excessive heat. Store in the original tightly closed container.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

- Occupational Limits:** No exposure limits noted for ingredient(s).
- Biological Limits:** No exposure limits noted for ingredient(s).
- Engineering Controls:** Ensure adequate ventilation.
- Personal Protection:**
- Eye Protection:** Wear protective glasses or goggles if splashing or spray-back is likely.
- Hand Protection:** Wear protective gloves.
- Skin Protection:** Wear suitable protective clothing.
- Respiratory Protection:** Use in well ventilated areas.
- Hygiene Measures:** Always wash hands after handling chemical products, and before smoking, eating, drinking or using the toilet. Wash protective equipment before storage and re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

- Physical State:** Liquid
- Color:** Clear
- Odor:** Quaternary
- Solubility In Water:** Complete
- pH:** 6.0 - 8.0
- Flash Point:** > 201 °F PMCC
- Specific Gravity:** 8.31 lb/gal
- Boling Point:** > 212 °F
- Freezing Point:** < 32 °F
- Evaporation Rate:** < 1

SECTION 10. STABILITY AND REACTIVITY:

Reactivity:	Non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal conditions.
Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Conditions To Avoid:	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible Materials:	Strong oxidizing agents. Anionic surfactants.
Hazardous Decomp:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION:

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Symptoms:

Eye Contact:	Adverse symptoms may include pain, watering and redness.
Skin Contact:	Adverse symptoms may include pain or irritation and redness.
Inhalation:	Adverse symptoms may include respiratory tract irritation and coughing.
Ingestion:	Adverse symptoms may include stomach pains.

Acute Toxicity:

Eye Contact:	May cause serious eye damage.
Skin Contact:	May cause skin irritation and possible burns.
Inhalation:	May cause respiratory irritation.
Ingestion:	Harmful if swallowed. May cause burns to mouth, throat and stomach.

Other Toxicity Information:

Skin Sensitization:	This product is not expect to cause skin sensitization
Carcinogenicity:	Not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity:	Product is not expected to cause reproductive or development effects.
Target Organ Toxicity:	May cause damage to organs.
Aspiration Hazard:	Not likely, due to the form of this product.

NOTE: Product not listed under US.OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) or CERCLA Hazardous Substance List (40 CFR 302.4)

SECTION 12. ECOLOGICAL INFORMATION:

Ecotoxicity:	Not applicable for container sizes less than 5 gallons.
Mobility in Soil:	No information available.
Degradability:	No information available.
Bioaccumulative:	No information available.
Other Adverse Effects:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product.

SECTION 13. DISPOSAL CONSIDERATIONS:

Waste Disposal Methods:	Dispose in accordance with all applicable regulations.
Contaminated Packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14. TRANSPORT INFORMATION:

DOT Proper Shipping name:	Certain shipping modes or package sizes may have exceptions from the transport regulations. Therefore, refer to bill of lading or container label for DOT or other transportation hazard warning or classification, if any.
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SECTION 15. REGULATORY INFORMATION:

US Federal Regulations:	This product is a U.S. EPA registered product. This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).
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Pesticide Labeling Information Required Under U.S. FIFRA Regulations: This chemical is a pesticide product registered by the Environmental Protection Agency (EPA) 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. Following is the hazard information as required on the pesticide label: DANGER, corrosive, causes irreversible eye damage, causes skin burns, harmful if swallowed, and may be fatal if absorbed through skin.

Superfund Amendments and Reauthorization Act of 1980 (SARA)

SARA 304 (Extremely Hazardous):	This material does not contain any components with a section 304 Extremely Hazardous Substances Reportable Quantity.
SARA 311/212 Hazards:	Acute Health Hazard.
SARA 302:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Safe Drinking Water Act (SDWA):	Not regulated.
State Regulations:	California Proposition 65: This product does not contain a listed substance known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

SECTION 16. OTHER INFORMATION:

NFPA / HMIS Ratings:	Health: 3 - Flammability: 0 - Reactivity: 0
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