

TNG Worldwide

Product Name: CLUBZ HOSPITAL QUAT-CLEANER

SECTION 1	PRODUCT AND COMPANY IDENTIFIER
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PRODUCT IDENTIFIER

Product Name CLUBZ HOSPITAL QUAT-CLEANER
Product Form Liquid

RECOMMENDED USE AND RESTRICTIONS ON USE

Detergent Disinfectant Pump Spray

COMPANY IDENTIFICATION

Manufacturer Tri-Chem Corporation
431 Stephenson Hwy.
Troy, MI 48083
www.tri-chem.com

EMERGENCY TELEPHONE NUMBER**24 Hour Emergency Phone Number (Health & Safety; Transportation)** INFOTRAC - (800) 535-5053

SECTION 2	HAZARDS IDENTIFICATION
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GHS CLASSIFICATION

Product has not been tested as a whole to determine its GHS classification. Hazard categories are based on individual ingredient hazard categories. Refer Section 16 for additional GHS Phrases.

HAZARD CLASS	HAZARD CATEGORY
Skin corrosion/irritation	2B
Hazardous to the aquatic environment, acute hazard	2
Hazardous to the aquatic environment, long-term hazard	3

GHS LABEL ELEMENTS

Pictogram

N/A

GHS Signal Word**WARNING****GHS Hazard Phrases**

Causes eye irritation.
Toxic to aquatic life.
Harmful to aquatic life with long lasting effects.

GHS Precaution Phrases

Wash skin thoroughly after handling.
Avoid release to the environment

GHS Response Phrases

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.

GHS Storage and Disposal Phrases

N/D = Not Determined N/A = Not Applicable N/AV = Not Available

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Store in away from incompatible materials.
Dispose of waste in accordance with local, state and federal legislation.

POTENTIAL HEALTH EFFECTS (Acute and Chronic)

Chronic: Product has not been tested to determine its acute and long-term effects. The product does contain ingredients that potentially may affect from repeated excessive exposures.

Acute- Inhalation No adverse effects expected.

Acute-Skin Contact No adverse effects expected.

Acute-Eye Contact May cause eye irritation.

Acute-Ingestion Ingestion of large amounts may cause gastrointestinal irritation.

SECTION 3	COMPOSITION / INFORMATION INGREDIENTS
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Chemical Name	Cas Number	Percentage
Diethylene glycol monobutyl ether	112-34-5	8
Tetrasodium Ethylenediamine tetra acetic acid	64-02-8	1.6
Alkyl (68% C12, 32% C14) dimethyl ethyl benzyl ammonium chloride	85409-23-0	0.105
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.105

SECTION 4	FIRST AID MEASURES
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IN CASE OF INHALATION

Move person to fresh air; if effects occur, consult a physician.

IN CASE OF SKIN CONTACT

Wash affected skin with plenty of water. Continue to wash the affected area for at least 15 minutes.

In case of skin irritation, consult a physician.

IN CASE OF EYE CONTACT

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

In case of skin irritation, consult an ophthalmologist.

IN CASE OF INGESTION

Rinse mouth. Get medical attention if symptoms occur.

SIGNS AND SYMPTOMS OF EXPOSURE

Exposed individuals may experience eye tearing, redness, and discomfort.

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage.

Treat the affected person appropriately.

NOTE TO PHYSICIAN

Treat symptomatically and supportively. It is advisable not to induce vomiting due to the risk of aspiration and it is not usually necessary unless a large amount has been ingested or it has been contaminated with another product.

SECTION 5	FIRE FIGHTING MEASURES
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Flashpoint	> 201 °F
Flashpoint Method	PMCC

Explosive Limits	LEL: N/AV UEL: N/AV
Auto Ignition Point	N/D

SUITABLE EXTINGUISHING MEDIA

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

FIRE FIGHTING INSTRUCTIONS

Use standard firefighting procedures and consider the hazards of other involved materials.
Move containers from fire area if you can do so without risk.

Special protective equipment for firefighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

FLAMMABLE PROPERTIES AND HAZARDS

Hazardous combustion products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide.

Unusual Fire and Explosion Hazards:

No unusual fire or explosion hazards noted.

SECTION 6	ACCIDENTAL RELEASE MEASURES
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SAFETY PRECAUTIONS

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

CONTAINMENT AND CLEANUP

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. 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 System (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 Regional Office of the EPA.

Avoid release to the environment. Contact local authorities in case of spillage to drain/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.

SECTION 7	HANDLING AND STORAGE
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PRECAUTIONS TO BE TAKEN IN HANDLING

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Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

PRECAUTIONS TO BE TAKEN IN STORAGE

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE: Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8	EXPOSURE CONTROLS / PERSONAL PROTECTION
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Cas Number	Chemical Name	OSHA TWA	ACGIH TWA
112-34-5	Diethylene glycol monobutyl ether	10 ppm (inhalable fraction and vapor) from DOW IHG	10 ppm (inhalable fraction)

ENGINEERING CONTROLS

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

WORK/HYGIENIC/MAINTENANCE PRACTICES

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing separate from home laundry and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping. Do not store work clothing and protective equipment in the same locker as personal clothing.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand Protection	Wear protective gloves.
Eye Protection	Wear safety glasses with side shields (or goggles).
Skin and Body Protection	Wear clean, body-covering clothing

OTHER PROTECTIVE EQUIPMENT N/A

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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Appearance	Clear, colorless	Specific Gravity (water = 1)	1.00 – 1.01
Physical State	Liquid	Vapor Pressure	N/D
Odor	Mild	Evaporation Rate (water = 1)	N/D
pH	11.5 – 12.5	Viscosity	N/D
Freezing Point	32 °F initial	Volatile Organic Compound (%)	N/D
Boiling Point	212 °F initial	Solubility in Water	Complete

SECTION 10	STABILITY/REACTIVITY
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Chemical Stability	Unstable [] Stable [X]
Conditions to Avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Reactivity / Incompatibility	Strong acids, alkalis and oxidizing agents.
Hazardous Decomposition	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.
Hazardous Reactions	Will occur [] Will not occur [X]

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SECTION 11	TOXICOLOGICAL INFORMATION
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CARCINOGENICITY

Product is not tested for carcinogenicity. No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen, except as identified below;

IARC: N/A

ACGIH: N/A

NTP: N/A

PRODUCT TOXICOLOGICAL DATA**Information on likely routes of exposure**

Ingestion	Expected to be a low ingestion hazard.
Inhalation	Prolonged inhalation may be harmful.
Skin contact	Causes mild skin irritation.
Eye contact	Causes eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Exposed individuals may experience eye tearing, redness, and discomfort.

Acute Toxicity

LD50 Oral (rat)	>5000 mg/kg
LD50 Dermal (rabbit)	>5000 mg/kg
LC50 Inhalation (rat)	>2.43 mg/l

Skin corrosion/irritation Causes mild skin irritation.

Serious eye damage/eye irritation Causes eye irritation.

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not applicable

Specific target organ toxicity - repeated exposure Not applicable.

Aspiration hazard Not applicable.

SECTION 12	ECOLOGICAL INFORMATION
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ECOTOXICITY

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

INGREDIENT TOXICOLOGICAL DATA

Cas Number	Chemical Name		
112-34-5	Diethylene glycol monobutyl ether	LC50 96 hr. fish	1,300 mg/l
64-02-8	Tetrasodium Ethylenediamine tetra acetic acid	LC50 96 hr. fish	472 - 500 mg/l

Persistence and degradability Expected to be readily biodegradable.

Bioaccumulative potential No data available.

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Mobility in soil

No data available.

SECTION 13	DISPOSAL CONSIDERATION
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Disposal Instructions

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 label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL - Nonrefillable container. Do not reuse or refill container. Clean container promptly after emptying.

(For containers 5 gallons or less):

Triple rinse as follows: Fill container 1/4 full with water and recap. Agitate vigorously. Drain for 10 seconds after the flow begins to drip. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

(For containers greater than 5 gallons):

Triple rinse as follows: Fill container 1/4 full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues /
Unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

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
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	LAND (US DOT)		
Proper Shipping Name	Not regulated as dangerous goods.		
Hazard Class	N/A		
ID Number	N/A		
Packing Group	N/A		

Additional Information

DOT Quantity Limitation: N/A

DOT Label for Limited Quantities: N/A

SECTION 15	REGULATORY INFORMATION
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EPA SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986) LISTS

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[302 (EHS) TPQ, 304 RQ, 313 TRI]

CERCLA Hazardous Substance List (40 CFR 302.4)

Diethylene glycol monobutyl ether (CAS 112-34-5)

SARA 313 TRI

Diethylene glycol monobutyl ether (CAS 112-34-5)

SARA TITLE III SECTION 311/312 CATEGORIZATION (40 CFR 370)	YES	NO
Acute (Immediate) Health Hazard	X	
Chronic (Delayed) Health Hazard		X
Fire Hazard		X
Sudden Release of Pressure Hazard		X
Reactive Hazard		X

STATE AND OTHER US EPA REGULATIONS

WHMIS CLASSIFICATION (1988) N/D

NATIONAL INVENTORIES

TSCA	Yes
CAA HAP, ODC	N/D
CWA NPDES	N/D
CEPA (DSL/NDL)	N/D
KECI	N/D

AICS	N/D
IECSC	N/D
EINECS	N/D
ENCS	N/D
PICCS	N/D

FIFRA Information

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. Following is the hazard information as required on the pesticide label:

Signal word CAUTION

Hazard statement Causes moderate eye irritation.
This pesticide is toxic to fish.

SECTION 16	OTHER INFORMATION
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ADDITIONAL GHS PHRASES

GHS phrases provided below are in addition to the phrases available in Section 2. GHS phrases are identified in accordance with GHS regulations and are triggered for each hazard category.

N/A

NFPA RATING HEALTH: 1 FIRE: 1 REACTIVITY: 0
HMIS RATING HEALTH: 1 FIRE: 1 REACTIVITY: 0

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS

N/A

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USER RESPONSIBILITY It is the user's responsibility to determine the suitability and adopt precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of this product.

PREPARED BY

Tri-Chem Corporation

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