

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TB Quat
PRODUCT USE: RTU Disinfectant
DISTRIBUTED BY: 1st Ayd Corporation
1325 Gateway Drive
Elgin, IL 60124
INFORMATION PHONE: Tel: 847-622-0001
EMERGENCY PHONE: 800-255-3924

SECTION 2 - HAZARD(S) IDENTIFICATION

CLASSIFICATION: Acute Toxicity - Oral: Category 5
Acute Toxicity - Skin: Category 4
Skin Corrosion: Category 3
Eye Damage: Category 2B

PICTOGRAMS:



GHS ELEMENTS:

SIGNAL WORD: Warning

HAZARD STATEMENT(S): H303 | May be harmful if swallowed.
H312 | Harmful if in contact with skin.
H316 | Causes mild skin irritation.
H320 | Causes eye irritation.

PRECAUTIONARY STATEMENT(S): P264 | Wash any exposed body parts thoroughly after handling.
P280 | Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 | Call a POISON CENTER or doctor/physician if you feel unwell.
P322 | Specific measures (see supplemental first aid instruction on this label if immediate measures such as specific cleansing agent is advised).
P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 | If eye irritation persists: Get medical advice/attention.
P363 | Wash contaminated clothing before reuse.
P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

ADDITIONAL PRECAUTIONS: None Known

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	FUNCTIONAL PURPOSE	PERCENT
Glycol Ether	112-34-5	Solvent	5 - 10%
Chelating agent	64-02-8	Chelant	1 - 5%
Nonionic Alkoxylate	9016-45-9	Surfactant	< 1.0%
Quaternary Ammonia Compound	not available	Biocide	< 1.0%
Sodium Metasilicate	6834-92-0	Alkaline Builder	< 1.0%
Fragrance	Not Available	Fragrance	< 1.0%

The chemical identity of some or all components is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i). No other ingredients known to be hazardous.

SECTION 4 - FIRST AID MEASURES

EYES:	Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
SKIN:	Wash skin surfaces thoroughly after contact. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops.
INHALATION:	Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing. Get medical attention immediately.
INGESTION:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
GENERAL:	Physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities have been inhaled or ingested.

See Section 11 for exposure symptoms.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABILITY:	In a fire or if heated, a pressure increase will occur and the container may burst.
EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire.
PROTECTIVE EQUIPMENT:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.
ADDITIONAL INFORMATION:	Thermal decomposition products-carbon monoxide, sulfur oxides, metal

oxide/oxides, halogenated compounds.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	No action should be taken involving individual risk or without suitable training. Isolate area. Avoid contact with material. Do not breathe vapors. Provide adequate ventilation. Wear proper personal protective equipment.
ENVIRONMENTAL:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product reaches sewers, waterways or soil.
CONTAINMENT/CLEANUP:	Stop leak if without risk. Move containers from spill area. Contain or absorb with inert dry material. Dispose of according to local regulations. See Section 1 for emergency contact information and 13 for waste disposal.

SECTION 7 - HANDLING AND STORAGE

SAFE HANDLING:	Wear appropriate personal protective equipment (see Section 8). Eating drinking and smoking should be prohibited. Do not get into eyes or on skin. Do not ingest. Keep containers tightly closed. Do not reuse container.
SAFE STORAGE:	Store in accordance with local regulations. Store in original container away from foods, drink and incompatible materials. Keep container tightly closed. Do not store unlabeled. Use appropriate containment.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eyewash stations, showers where necessary.
EYE PROTECTION:	Safety eye-wear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
RESPIRATORY PROTECTION:	Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.
HAND PROTECTION:	Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
SKIN PROTECTION:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

COMPONENT	ACGIH TWA ppm	OSHA/NIOSH STEL ppm	OSHA/ACGIH STEL mg/m3
Glycol Ether	10.00	None	None
Chelating agent	None	None	2.00
Nonionic Alkoxylate	None	None	None
Quaternary Ammonia Compound	None	None	None
Sodium Metasilicate	None	None	None
Fragrance	None	None	None

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid	UPPER EXPLOSIVE LIMITS:	NA
COLOR:	Water White	LOWER EXPLOSIVE LIMITS:	NA
ODOR:	Light floral scent	VAPOR PRESSURE:	NA
ODOR THRESHOLD:	NA	VAPOR DENSITY:	NA
PH:	11.5 - 14.0	RELATIVE DENSITY:	NA
MELTING POINT:	NA	SOLUBILITY:	Completely Water Soluble
FREEZING POINT:	32.00 F	PARTITION COEFFICIENT:	NA
BOILING POINT:	NA	AUTO-IGNITION TEMPERATURE:	NA
FLASH PT METHOD:	NA	DECOMPOSITION TEMPERATURE:	NA
FLASH POINT:	NA	SPECIFIC GRAVITY:	1.00000
EVAPORATION RATE:	NA	% VOLATILE:	NA
FLAMMABILITY:	Nonflammable	VISCOSITY (cst):	NA

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY:	HAZARDOUS DECOMPOSITION PRODUCTS
CHEMICAL STABILITY:	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	Non-reactive.
CONDITIONS TO AVOID:	Excessive heat or open flame.
INCOMPATIBLE MATERIALS:	Avoid contact with acidic materials and strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under normal conditions, none are known.

SECTION 11 - TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Inhalation Absorption Ingestion

ACUTE EXPOSURE HAZARDS:

EYE CONTACT: Irritation, stinging, redness, burns.
DERMAL: Irritation, burns upon prolonged exposure.
ORAL: Nausea, vomiting.
INHALATION: No expected route of entry. Irritation.

Glycol Ether (CAS No. 112-34-5)
Oral LD50: Rat 7291 mg/kg
Dermal LD50: 2,764 mg/kg, rabbit
Chelating agent (CAS No. 64-02-8)
Oral LD50: Rat 3030 mg/kg
Nonionic Alkoxylate (CAS No. 9016-45-9)
Oral LD50: Rat >2000 mg/kg
Quaternary Ammonia Compound (CAS No. not available)
Oral LD50: Rat 500-5000 mg/kg
Sodium Metasilicate (CAS No. 6834-92-0)
Oral LD50: Rat 1152-1349 mg

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.
PERSISTENCE & DEGRADABILITY: No data available.
BIOACCUMULATIVE POTENTIAL: No data available.
MOBILITY IN SOIL: No data available.
OTHER ADVERSE EFFECTS: No data available.

Glycol Ether (CAS No. 112-34-5)
Crustacean LC50: Daphnia 100 mL/L 48h
Chelating agent (CAS No. 64-02-8)
Fish LC50: Minnow >100 mg/L 96hr
Quaternary Ammonia Compound (CAS No. not available)
Fish LC50: 0.86mg/L 96h
Crustacean LC50: Daphnia 0.0058mg/L 48h
Sodium Metasilicate (CAS No. 6834-92-0)
Fish LC50: Danio Rerio (Zebra Fish) 210 mg/L 96h

SECTION 13 - DISPOSAL CONSIDERATION

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of the product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 - TRANSPORT INFORMATION

DOT (US)

UN NUMBER: NA

SHIPPING NAME: NA

TECHNICAL NAME: NA

HAZARD CLASS: NA

PACKAGING GROUP: NA

SECTION 15 - REGULATORY INFORMATION

SARA 313 COMPONENTS	CAS NO.	% LESS THAN
Glycol Ether	112-34-5	5 - 10%
Sodium Metasilicate	6834-92-0	< 1.0%

CALIFORNIA PROP. 65 COMPONENTS	CAS NO.	% LESS THAN
Chelating agent	64-02-8	1 - 5%
Nonionic Alkoxylate	9016-45-9	< 1.0%

313: Diethylene glycol monobutyl ether 1.0%

RTK: NJ, MA, PA

California Prop. 65

WARNING! This product contains a chemical known in the State of California to cause cancer.

Nitrilotriacetic acid, trisodium salt 5064-31-3, 0.1-1%

RTK: PA, NJ, MA

SECTION 16 - OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

A Safety Glasses

B Safety Glasses, Gloves

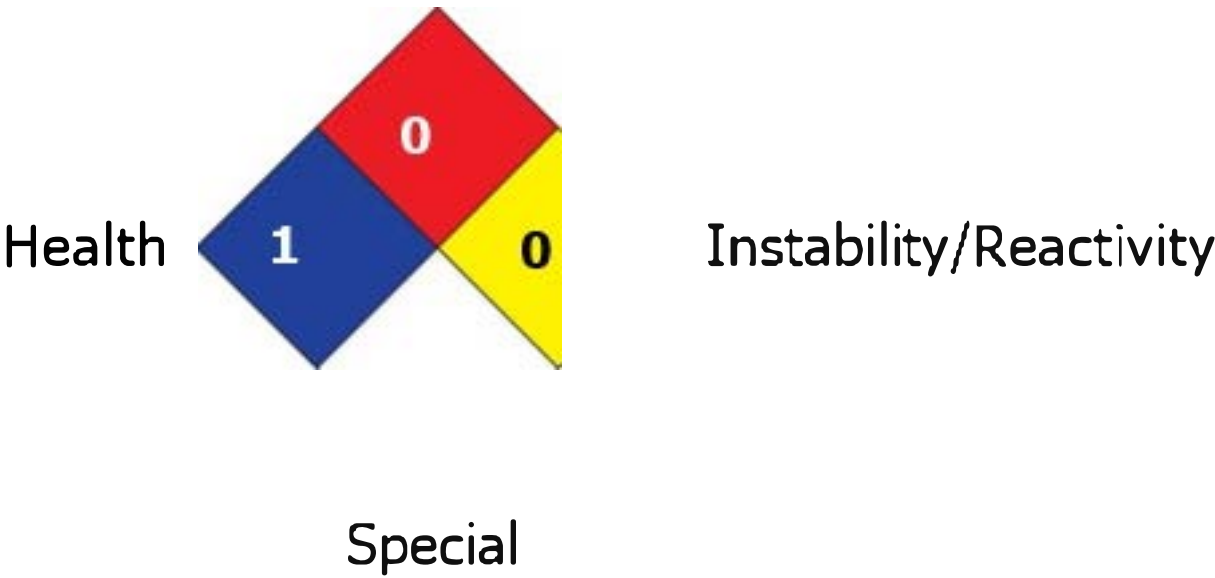
Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	A

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

- C Safety Glasses, Gloves, Apron
- D Face Shield, Gloves, Apron
- E Safety Glasses, Gloves, Dust Respirator
- F Safety Glasses, Gloves, Apron, Dust Respirator
- G Safety Glasses, Gloves, Vapor Respirator
- H Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- I Safety Glasses, Gloves, Dust & Vapor Respirator
- J Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- K Airline Hood or Mask, Gloves, Full Suit, Boots
- X Consult your supervisor for special handling directions

Flammability

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)



NFPA warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health, and reactivity hazards of chemicals.

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