



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/17/2012
DATE PRINTED: 04/17/2012

REVISION NUMBER: 6
PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: QUAT PLUS TB, Detergent Disinfectant Pump Spray

PRODUCT CODE: 117893

NFPA/HMIS HAZARD CODES (minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health:	2/2	Fire:	0/0
Reactivity:	0/0	Special/Protective Equipment:	ALK/B

NAME OF THE MANUFACTURER:	Rochester Midland Corporation	Emergency Phone:
	155 Paragon Drive	INFOTRAC: 1-800-535-5053
	Rochester, New York 14624 USA	OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Causes vomiting, nausea, and diarrhea.
SKIN CONTACT: Repeated or prolonged contact may irritate moderately.
INHALATION: Mists or vapors may cause nose and respiratory irritation, headache, nausea, dizziness.
EYE CONTACT: Causes moderate eye irritation.
CHRONIC EFFECTS: Dermatitis. Possible respiratory damage from inhalation of dust or mist. Long term overexposure to some glycol ethers by skin absorption or inhalation may cause kidney, liver, or blood effects based on animal testing.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
Alkyldimethyl benzyl ammonium chlorides 68391-01-5	0.105	Not applicable	Not applicable
Alkyl dimethyl ethylbenzyl ammonium chlorides 68956-79-6	0.105	Not applicable	Not applicable
Diethylene glycol butyl ether 112-34-5	8	Not applicable	Not applicable
Tetrasodium EDTA (irritant) 64-02-8	1-5	Not applicable	Not applicable

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink promptly two glasses of milk, egg whites, or gelatin solution. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention if irritation or burns develop.

INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

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EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): None (C): Not determined

METHOD: TCC

FLAMMABLE LIMITS IN AIR

LOWER (%): No data

UPPER (%): No data

SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO

SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA: As appropriate for surrounding fire-product is mostly water and will not burn.

FIRE FIGHTING PROCEDURES: Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Mop up all possible. Flush with water.

LARGE SPILLS: Flush remainder with water. Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS: Not applicable

ENVIRONMENTAL PRECAUTIONS: Not applicable

METHODS FOR CLEANING UP: Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Caution: Alkaline liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Store in a well ventilated area. Keep from freezing. Do not contaminate water, food, or feed.

OTHER PRECAUTIONS: Triple rinse container before disposal.

SPECIFIC USE(S): Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Read and follow label instructions.

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: Use in a well ventilated area.

RESPIRATORY PROTECTION: None normally required.

PROTECTIVE GLOVES: Rubber or plastic gloves recommended to minimize skin contact.

EYE PROTECTION: Safety Glasses. Goggles.

OTHER PERSONAL PROTECTION EQUIPMENT: Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible.

VENTILATION: General mechanical and/or local exhaust as needed to meet exposure limits if mist in air.

9. PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE AND ODOR:	Clear liquid. Pine odor. Mint odor.	
BOILING POINT (F):	212° F	(C) Not determined
VAPOR PRESSURE:	As water	
VAPOR DENSITY (AIR=1):	As water	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	1.00	
VOC Content (%):	NE	
EVAPORATION RATE:	As water	
PH:	11.5	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	If evaporated to dryness, as in a fire, may release: Soot. Smoke. Carbon Monoxide. Sulfur compounds.
INCOMPATIBILITY (MATERIALS TO AVOID):	Do not mix with acidic materials. Neutralizes active ingredients.
CONDITIONS/HAZARDS TO AVOID:	None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not Established
EFFECTS OF CHRONIC EXPOSURE:	Not established.
OTHER TOXIC EFFECTS:	Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	No data at this time
CHEMICAL FATE INFORMATION:	No data at this time.
MOBILITY:	Not applicable.
PERSISTENCE/DEGRADABILITY:	Not applicable
BIOACCUMULATIVE POTENTIAL:	Not applicable
OTHER ADVERSE EFFECTS:	Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:	PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
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14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Alkyldimethyl benzyl ammonium chlorides 68391-01-5	0.105	Not Listed	Listed	Not Listed	Not Listed
Alkyl dimethyl ethylbenzyl ammonium chlorides 68956-79-6	0.105	Not Listed	Listed	Not Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	8	Listed	Listed	Listed	Not Listed
Tetrasodium EDTA (irritant) 64-02-8	1-5	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Alkyldimethyl benzyl ammonium chlorides 68391-01-5	0.105	Not Listed	Not Listed	Not Listed
Alkyl dimethyl ethylbenzyl ammonium chlorides 68956-79-6	0.105	Not Listed	Not Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	8	Not Listed	Not Listed	Not Listed
Tetrasodium EDTA (irritant) 64-02-8	1-5	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Diethylene glycol butyl ether 112-34-5	8	Listed
Tetrasodium EDTA (irritant) 64-02-8	1-5	Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
Diethylene glycol butyl ether 112-34-5	8	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Diethylene glycol butyl ether 112-34-5	8	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***