MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **QUAT-SHOT**

Product Use: *Pump spray disinfectant.*
Canada DIN 02243546

M-*chem* Technologies Inc.
1607 Derwent Way
Delta, BC V3M 6K8, Canada
Phone: (604) 526-5655

WHMIS CODE: N/A
Proper Shipping Name: N/A
Hazard Class: N/A
UN Number: N/A

EMERGENCY PHONE
Canada: Canutec 613-996-6666
U.S.A.: Chemtrec 800-424-9300

HMIS

3	Health
0	Flammability
0	Reactivity
B	Personal

A=Goggles, B=Goggles & Gloves
C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
DIETHYLENE GLYCOL MONO BUTYL ETHER	112-34-5	5.0-10.0	N/A	N/A
Exposure limit skin: 25 ppm				
The above item is reported per 40 CFR 372, Section 313 of Emergency Planning and Community Right to Know Act of 1986.				
LD50 (oral rat) 6560 mg/kg				
LD50 (dermal rabbit) 4120 mg/kg				
LC50 (mouse) N/D				
Tetrasodium Salt of Ethylenediaminetetraacetic Acid	64-02-8	1.0-5.0	N/A	N/A
LD50 (oral rat) 3030 mg/kg				
LD50 (dermal rabbit) >5000 mg/kg				
LC50 >100 mg/L				
ALCOHOL ETHOXYLATE	68439-46-3	0.5-1.0	N/A	N/A
LD50 (oral rat) 1376 mg/kg				
LD50 (dermal rabbit) >2 g/kg				

SECTION 3 – PHYSICAL DATA

Color and Odor: Clear green with fresh scent.
Physical State: Liquid.
Coeff. Water/Oil Dist: Greater than 1.0

Boiling Point: N/D
Melting Point: N/A
Evaporation Rate: N/D

Vapor Pressure (mm HG): N/D
Vapor Density: N/D
Solubility in Water: Soluble

pH: 12.0 – 12.5
Specific Gravity: 1.015 @ 20°C
Odor Threshold: No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC)
Flammable Limits: None known.
Conditions of Flammability: None.

Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.

Extinguishing Media: Not flammable.
Auto ignition Temperature: None known.

Unusual Fire and Explosion Hazards: Prolonged contact with reactive metals (i.e. aluminum, tin, zinc, etc.) May form flammable and explosive hydrogen gas in confined areas.
Hazardous Combustion Products: Carbon Monoxides/Dioxide.
Special Fire Fighting: Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions.
Incompatibility (material to avoid): Strong oxidizing, and acids.
Hazardous Decomposition Products: Carbon Monoxides/Dioxide.

Hazardous Polymerization: Will not occur.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient.
Irritancy of Product: Causes irritation to eyes and skin.
Sensitization: None known.
Name of Toxicological Synergistic Product: None known.
Teratogenicity: None known.

Routes of Entry: Skin, eyes, inhalation.
Carcinogenicity: None known.
Mutagencity: None known.
Reproductive Toxicity: None known.

Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin irritation or dermatitis, respiratory disorder.
Effects of Acute Exposure to Product: Product exposure may burn eyes and irritate or burn skin. Inhaling vapors or mists may cause respiratory discomfort such as breathing problems, burning, coughing, etc. Ingestion may cause gastro-intestinal and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: If product is misted or sprayed, or used in a confined area, use a NIOSH/MSHA approved dust/mist respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Natural or butyl rubber, nitrile or neoprene gloves.
Eye Protection: Chemical goggles, safety goggles or face shield.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F) and keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: 604-526-5655 LAST UPDATE: 07/04/11

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE