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MATERIAL SAFETY DATA SHEET

PREPARATION DATE: 2/27/2008

SECTION 1 - PRODUCT & COMPANY INFORMATION

PRODUCT NAME: Qwik System Flush
PRODUCT NO.: QT1100
DESCRIPTION: AC & Refrigeration System Flush
USE: AC/Refrigeration line clean-up or retrofit
APPEARANCE: Clear liquid in aerosol can

MANUFACTURER: Mainstream Engineering Corp.
 200 Yellow Place
 Rockledge, Florida 32955

INFORMATION TELEPHONE: 321-631-3550

EMERGENCY TELEPHONE: 800-424-9300

SECTION 2 - PRODUCT COMPOSITION INFORMATION

COMPONENT	% BY WEIGHT	OSHA PEL
Actives		
Flushing Agent*	100.0%	NE

NE= none established

* TRADE SECRET - PROPRIETARY FORMULA. Specific chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Non-Flammable aerosol. Liquid and gas under pressure. Aerosol spray can cause suffocation or frostbite. Irritating to eyes, skin, and respiratory system.

POTENTIAL HEALTH EFFECTS

EYE: May cause eye irritation.

SKIN: May cause mild skin irritation. May cause frostbite.

INGESTION: May be harmful if swallowed or aspirated into the lungs. May cause irritation of gastrointestinal tract, liver, and kidneys. Do not induce vomiting.

INHALATION: May be irritating to respiratory tract.

OTHER HEALTH EFFECTS: Increased susceptibility to any effects may be observed in persons with pre-existing disease of the central nervous system, cardiovascular system, skin or eyes.

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin contact, eye contact.

SECTION 4 - EFFECTS OF OVEREXPOSURE

Prolonged skin contact may cause drying and cracking. Ingestion or inhalation of high concentrations of vapor is harmful and may cause central nervous system depression, anesthesia, heart irregularities, unconsciousness, disorientation or death. Intentional misuse or deliberate inhalation may cause death without warning. Toxic effects on the liver or lung may occur at doses causing anesthesia. Consult a physician.

SECTION 5 - EMERGENCY & FIRST-AID PROCEDURES

SKIN: Immediately wash area with soap and water. Remove contaminated clothing and wash. If frostbite occurs, flush affected areas with lukewarm water. Do not use hot water. Call a physician.

EYES: Immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart. Call a physician.

INGESTION: Not a probable route. In case of accidental ingestion, give large amounts of water provided person is conscious. Do not induce vomiting. Call a physician.

INHALATION: Immediately remove victim to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SECTION 6 - PHYSICAL AND CHEMICAL DATA

BOILING POINT (760 mm Hg): 88-89°C
MELTING POINT: N/A
SPECIFIC GRAVITY (WATER = 1): 1.23 g/mL
PERCENT VOLATILES: 100%
APPEARANCE: Colorless liquid
ODOR: Mild

SECTION 7 - REACTIVITY DATA

STABILITY: Stable under ordinary conditions of use and storage.

HAZARDOUS DECOMPOSITION: Decomposition products are hazardous. Can be decomposed by temperatures (open flame or glowing metal surface) forming halogen acids, carbon monoxide, carbon dioxide and possibly carbonyl halides.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Avoid contact with strong bases, oxidizing agents, heat, or flame. Avoid contact with



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reactive metals especially at high temperature. Avoid alkali, alkaline earth metals, and molten salts.

CONDITIONS TO AVOID: Keep away from heat, sparks, and flames

SECTION 8 - FIRE AND EXPLOSION INFORMATION

FLASH POINT: 180°F, Tag Closed Cup

FLAMMABILITY OF AEROSOL: Non-Flammable

AUTOIGNITION TEMPERATURE: No Data

EXTINGUISHING MEDIA: Use what is appropriate for surrounding fire, preferably dry chemical, carbon dioxide, or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus in positive pressure mode with confined face piece.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near pressurized container. Emits toxic and corrosive fumes under fire conditions.

SECTION 9 - HANDLING, STORAGE, AND DISPOSAL

HANDLING: Avoid prolonged or repeated breathing of vapors. Avoid liquid contact with eyes and skin. Avoid heat, sparks, and flame. Use in a well ventilated area. Wash after handling.

STORAGE: Store in a cool, dry location. Do not store near heat, flame, or strong oxidants. Maintain adequate ventilation. Keep away from children.

SPILL AND LEAK PROCEDURES: Evacuate area. Ventilate area using forced ventilation, especially in lower enclosed places where heavy vapors might collect. Remove sources of ignition. Absorb spill with dry chemical absorbent (vermiculite), then place in chemical waste container. Do not flush to sewer or stream. May require excavation of contaminated soil.

DISPOSAL: Place in covered hazardous chemical waste containers outdoors, away from open flames and remove to a permitted waste disposal facility. Do not flush to sewer. Dispose of in accordance with all federal, state & local regulations.

SECTION 10 – EXPOSURE CONTROLS / PPE

PERSONAL PROTECTIVE EQUIPMENT:

- Respiratory protection: Use adequate ventilation and approved air respirators in case of emergency.
- Eye: Use chemical safety goggles.
- Clothing: Chemical resistant gloves, apron.

SECTION 11 - TOXICOLOGICAL INFORMATION

LD50, LC50, CARDIAC SENSITIZATION: No Data.

CANCER INFORMATION: No components listed as carcinogens by the International Agency for Research on Cancer, the National Toxicology Program, the Occupational Safety and Health Administration or any other organization.

REPRODUCTIVE EFFECTS: Animal data show slight fetotoxicity but only at exposure levels producing other toxic effects in the adult animal. Animal data also show sterility or other reproductive effects may occur.

ECOTOXICITY: No Data.

SECTION 12 - ADDITIONAL INFORMATION

DOT SHIPPING CLASS: Hazard Class: 2.2 (non-flammable)

EPA TSCA: No data.

SARA TITLE III: Acute: Yes; Chronic: No

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