



Material Safety Data Sheet

ECOTERRA

DATE: January 2015

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Section 1 – Material Identification

MANUFACTURER'S NAME: QWATRO CORPORATION
VAUGHAN, ONTARIO
L4H 1X9

PRODUCT: ECOTERRA
MATERIAL USE: ACID REPLACEMENT

TELEPHONE: (416) 675-2388
TOLL FREE: (866) 488-2788
FAX: (416) 675-0384
CANUTEC: (613) 996-6666

HEALTH: 1
PERSONAL PROTECTION: 0
REACTIVITY: 1
FLAMMABILITY: 0

(CLASSIFICATIONS: 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = EXTREME)

Section 2 – Hazardous Ingredients of Materials

Chemical Identity	CAS Number	%	LD50/LC50
ORGANIC SALT	N/A	30 - 70	1000 MG/KG
SURFACTANT MIXTURE	68991-48-0	5 - 10	N/A

Section 3 – Physical Data for Material

PHYSICAL STATE (GAS/LIQUID/SOLID): Liquid
ODOUR/APPEARANCE: Green, unscented
ODOUR THRESHOLD (PPM): N/A
SPECIFIC GRAVITY: 1.05 gm/cm
VAPOUR PRESSURE (MM): N/A

VAPOUR DENSITY (AIR = 1): N/A
EVAPORATION RATE: N/A
BOILING POINT (°C): 100°C
FREEZING POINT (°C): N/A
SOLUBILITY IN WATER (20°C): Soluble
% VOLATILE (BY VOL.): 0%
pH: 1.7

Section 4 – Fire and Explosion Hazard

FLAMMABILITY: No
MEANS OF EXTINCTION: Water, foam, carbon dioxide, dry chemical
SENSITIVITY TO IMPACT: N/A
FLASHPOINT (°C) AND METHOD: Does not ignite
UPPER EXPLOSION LIMIT (% BY VOL.): N/A
SPECIAL PROCEDURES: N/A

LOWER EXPLOSION LIMIT (% BY VOL.): N/A
AUTO-IGNITION TEMP. (°C): N/A
TDG FLAMMABILITY CLASSIFICATION:
HAZARDOUS COMBUSTION PRODUCTS: Carbon Oxides

Section 5 – Reactivity Data

CHEM. STABILITY: Stable up to 110°C
INCOMPATIBILITY TO SUBSTANCES: Avoid contact with strong oxidizers and bases
REACTIVITY – CONDITIONS: N/A
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon, nitro gen and chlorine. Hydrogen gas may be released upon contact with certain metals at sustained temp. above 60°C

Section 6 – Toxicological Properties

ROUTE OF ENTRY SKIN CONTACT: Yes EYE CONTACT: Yes INHALATION: No INGESTION: Yes	EFFECTS OF ACUTE EXPOSURE EYE: May cause irritation or may be painful SKIN: May cause irritation. Non-corrosive to skin INGESTION: May be harmful or fatal if ingested INHALATION: Not a likely route of exposure due to physical properties. Product has a low vapour pressure at room temp. and is not expected to present a significant inhalation hazard under ambient conditions. Product can be irritating to the respiratory tract if inhaled as a mist or if the material is vaporized. EFFECTS OF CHRONIC EXPOSURE: N/A
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Section 7 – Preventive Measures

PERSONAL PROTECTIVE EQUIPMENT GLOVES: use impervious (Rubber, Nitrile) gloves RESPIRATORY: None required under normal use EYE: Use chemical goggles or full face shield if working with bulk quantities ENGINEERING CONTROLS: None required under normal use. General ventilation usually adequate LEAK AND SPILL PROCEDURE: Before attempting clean-up refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent (sand) and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. WASTE DISPOSAL: Review federal, provincial and local government requirements prior to disposal HANDLING PROCEDURES/EQUIPMENT: N/A SPECIAL SHIPPING INFORMATION: None required STORAGE REQUIREMENTS: Keep out of reach of children. Keep container tightly closed. Store in fiberglass, polyethylene or polypropylene containers. Do not store in metal containers, especially aluminum. Storage in certain metal containers at temperatures above 60°C may result in Hydrogen Gas evolution. Do not store at temperatures above 48°C.

Section 8 – First Aid Measures

SKIN: Wash with mild soap & water for 15 minutes. Seek medical attention if irritation develops. EYE: Immediately flush with plenty of water for 15 minutes. If irritation persists, consult a physician INHALATION: Remove to fresh air. If breathing is difficult, give oxygen and seek medical attention. INGESTION: DO NOT induce vomiting. Give large quantities of water followed by 1 or 2 glasses of milk if available, in order to dilute and get immediate medical care. GENERAL ADIVCE: This product is not generally considered hazardous, however the same care should be taken as with any industrial cleaner/detergent.

PREPARED BY: QWATRO LAB GROUP

NOTICE: INFORMATION CONTAINED IN THIS MSDS IS DRAWN FROM RELIABLE SOURCES. WE DO NOT ASSUME ANY LIABILITY IN CONNECTION WITH ITS INADEQUATE USE.