

Safety Data Sheet

According to OSHA 1910.1200 and HPR

Product identifier: Ecoterra XT

Company information: Qwatro Corporation, 1870 Albion Road, Unit 3, Etobicoke, ON, M9W 5T2

Company phone: (416)746-4226

Material use: Acid replacement

Restrictions: None known.

Physical Hazard: Not classified.

Health Hazard: Eye Damage/Irritation 2A , based on Acid Reserve test

Environmental Hazard: Not classified.

Label Elements:



Signal Word: Warning

Hazard Statement: Causes serious eye irritation.

Precautionary Statement Prevention: Wash hands thoroughly after handling. Wear eye protection/face protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage: None.

Disposal: None.

Chemical name	CAS number	%	GHS Classification
Urea Hydrochloride	506-89-8	7 - 13	Corrosive to metals, Acute toxicity category 4 (oral), Eye damage/Irritation Category 1
Alcohol Ethoxylate	68991-48-0	1-3	Eye damage/Irritation Category 2
Water	7732-18-5	> 80	None

Section 4 – First Aid Measures

Skin: Wash with mild soap & water for 15 minutes. **Eye:** Immediately flush with plenty of water for 15 minutes. Seek medical attention if irritation develops. Get medical attention immediately.

Inhalation: Remove to fresh air. If breathing is difficult, give artificial respiration and seek medical attention. **Ingestion:** Do not induce vomiting. Give large quantities of water in order to dilute. Do not induce vomiting. Call poison control center immediately.

Section 5 – Fire Fighting Measures

Flammability: No **Upper Exposure Limit(% by Vol.):** Not Available.
Lower Exposure Limit (% by vol.): Not Available. **Means of Extinction:** Applicable for surrounding fire.
Flashpoint (°C) and Method: > 100 **HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, oxides of nitrogen, hydrochloric acid, chlorine oxide.
Sensitivity To Mechanical Impact: Not Available **Sensitivity to Static Discharge:** Not Applicable.
Auto Ignition Temperature Not Available. **Special Protective Equipment and Precautions for Firefighters:** This product is not considered flammable, but will burn at high temperatures after water evaporates. Wear self-contained breathing apparatus with a full facepiece and protective clothing. Cool containers with water spray after the fire is out.

Section 6 – Accidental Release Measures

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform local authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and Materials for Containments and Cleaning up: Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, vermiculate or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).

Section 7 – Handling and Storage

Precautions For Safe Handling: Obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in original container or an approved alternative made from compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands before eating, drinking and smoking. It should be prohibited in areas where this material is handled, stored and processed.
Conditions for Safe Storage: Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (See section 10) and food and drink. Keep container tightly closed and sealed until ready to use. Container that have been opened must be with lids and kept upright to prevent leakage. Do not store in unlabeled containers. Empty containers retain product residue and can be hazardous. Do not reuse container.

Section 8– Exposure Controls/personal protection

Engineering Controls: Good general ventilation should be sufficient to keep exposures at acceptable level. Provide eyewash station.
Respiratory Protection: Not normally required if good ventilation is maintained. Avoid breathing vapor or mist.
Eye protection: Use chemical goggles.
Skin Protection: Use impervious (rubber, nitrilie) gloves.

Work Hygienic Practices: The usual precautions for the handling of chemicals must be observed. When using, do not eat, drink or smoke. Always wash hands before eating, drinking, and or smoking. Routinely wash work clothing to remove contaminations.

Section 9 – Physical and Chemical Properties

Appearance: Clear blue liquid.
Odor: Mild
Specific Gravity (H2O = 1): 1.05
Solubility in Water: Soluble
Boiling Point (deg. C): 100
Freezing Point (deg. C) 0
Percent Volatile: 85 (Estimated)
Vapor Density: As water
Vapor Pressure: As water
Evaporation Rate: As water
pH: 1.7

Section 10 – Stability and Reactivity

Chemical stability: Material is stable under normal conditions.
Thermal stability: Stable up to 110 deg. C/230 deg. F
Incompatible Materials: This material is acidic. Avoid contact with aluminum, bases, oxidizers, chlorates, nitrates, hypochlorites e.g. chlorine bleach.
Hazardous Decomposition Products: Thermal decomposition may yield oxides of carbon, nitrogen, and chlorine. Hydrogen gas may be released upon contact with certain metals.
Hazardous Polymerization: Will not occur.

Section 11 – Toxicological Information

Information on likely routes of exposure: **Eyes** - Causes severe irritation to the eyes, possible corneal damage.
Skin - Prolonged or repeated contact can cause irritation. **Ingestion** - May be harmful or fatal if ingested.
Inhalation - Not a likely route of exposure at room temperature. Product can be irritating to the respiratory tract if inhaled as a mist or vapor.
Acute toxicity - Formulation: LD50 Oral/rat > 2,000 mg/kg; LD50 Dermal/rabbit > 2,000 mg/kg. LC50 Inhalation/rat: Not Applicable.

Ingredient	CAS #	LD50 Oral/rat	LD50 Dermal/rabbit	LC50 Inhalation/rat
Urea Hydrochloride	506-89-8	1,000 mg/kg	Not Available	Not Available
Alcohol Ethoxilate	68991-48-0	> 2,000 mg/kg	Not Available	Not Available

Chronic Effects: Prolonged or repeated exposure can cause defatting and dermatitis.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive Toxicity: Not expected to cause reproductive toxicity.

Aspiration Hazard: Not an aspiration hazard.

Section 12 – Ecological Information

Ecotoxicity: No data is available on the degradability of this product.

Urea monohydrate: 96 hour Lco>140 mg/L (rainbow trout), 48 hour LC50 = 71.1 mg/L (ceriodaphnia dubia), 15 minute LC50 16.23% effect at a concentration of 10 mg/L (Vibrio Fischeri)

Alcohol ethoxylate: readily biodegradable as per OECD 301D.

Section 13 – Disposal Considerations

Waste Disposal of Substance: Do not discharge into drains/surface waters/groundwaters. Dispose of in accordance with national, state and local regulations.

Container disposal: The packaging must not be re-used. Dispose of in accordance with national, provincial, state and local regulations.

Section 14 – Transport Information

TDG, DOT: Not classified as Dangerous Good under transport regulations.

Section 15 – Regulatory Information

WHMIS Classification: Class D2B.

Canadian Domestic Substance List (DSL): All ingredients are listed.

US Federal Regulations: This product is a hazardous chemical as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200

Toxic Substance Control Act (TSCA): All ingredients are listed.

Section 16 – Other Information, Including Date of Preparation

Issue Date: January 2013

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Prepared by: Qwatro Lab Group

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