

Material Safety Data Sheet
Q.C.T. W/ OXYBREAK

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SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME: Q.C.T. W/ OXYBREAK
CHEMICAL FAMILY: PEROXIDE CLEANER
FORMULA: N/A
CAS NUMBER: N/A

SECTION II – HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW:

EYES: May cause severe eye irritation with possible permanent eye damage and impairment of vision.
SKIN (DERMAL): Prolonged and/or repeated exposure to concentrated product may result in irritation to the skin.
SWALLOWING (INGESTION): Harmful if swallowed. Single dose oral LD50 has not been determined.
INHALATION: Vapors and mist may cause respiratory tract irritation.
MEDICAL CONDITION AGGRAVATED BY EXPOSURE: Existing skin and/or respiratory disorders may be aggravated by exposure.
CHRONIC OVEREXPOSURE:.. None known
OSHA REGULATORY STATUS: Since this product is a mixture, there is no defined PEL's (Personal Exposure Limits) established by OSHA. ACGIH TLV's (Threshold Limit Values) for hazardous components are listed in the Hazardous Ingredients Section of this MSDS.

SECTION III – COMPOSITION, INFORMATION ON INGREDIENTS

THRESHOLD LIMIT VALUE:.. N/A

COMPONENT	PERCENT	CAS #	ACGIH/TWA	STEL/TLV
Hydrogen peroxide	5-10	7727-84-1	NOT EST.	N/A
Dipropylene glycol methyl ether	1-5	34590-94-8	100 PPM	150 PPM

Also contains proprietary polymers and surfactant(s). Also contains biodegradable surfactant(s).

SECTION IV – FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with lots of running water for at least 15 minutes. If irritation persists, get medical attention.
SKIN (DERMAL): Wash with plenty of running water until no product residue remains. Wash contaminated clothing before reuse.

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SWALLOWING (INGESTION): NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. (If available, give several glasses of milk) If vomiting occurs spontaneously, keep airway clear and give more water. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION:..... Remove to fresh air. Give artificial respiration if not breathing. Obtain medical attention.

SECTION V – FIRE FIGHTING MEASURES

FLASHPOINT:..... Non flammable, non combustible

LOWER EXPLOSIVE LIMIT:... N/A

UPPER EXPLOSIVE LIMIT:..... N/A

EXTINGUISHING MEDIA: Use extinguishing media appropriate to primary cause of fire.

SPECIAL FIRE FIGHTING

PROCEDURES: Avoid contact with fire fighting personnel as burns may result from contact with skin. when fighting a fire near or involving this product, wear a self-contained breathing apparatus. (SCBA)

UNUSUAL FIRE AND

EXPLOSION HAZARDS: None known

SECTION VI – ACCIDENTAL RELEASE MEASURES

SPILL/ LEAK PROCEDURES:.. Appropriate protective clothing must be worn by trained cleanup personnel. Dilute with large quantities of water and dispose in waste water treatment facilities. Check with local authorities first.

SECTION VII – HANDLING AND STORAGE

HANDLING INFORMATION: .. Store away from acids, oxidizing compounds and other incompatible materials. Keep container tightly closed when not in use. KEEP OUT OF REACH OF CHILDREN.

STORAGE REQUIREMENTS:.. Keep containers tightly closed when not in use. Empty container completely and dispose of in accordance with applicable regulations. SPILLS: Contain spill. Absorb with inert material and dispose in accordance with applicable regulations. Store away from food production areas and food storage areas.

SECTION VIII – EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION:..... Chemical safety goggles. Contact lenses should not be worn when working with any chemicals.

RESPIRATORY PROTECTION:Respiratory protection should be worn if levels exceed defined PEL's for this product or any hazardous component listed in the Hazardous Ingredient Section of this MSDS.

OTHER PROTECTIVE

EQUIPMENT: Rubber gloves, coveralls and protective footwear.

VENTILATION:..... Local exhaust sufficient to maintain TLV below permissible exposure limits.

ADDITIONAL MEASURES: Dipropylene Glycol Methyl Ether: OSHA/PEL = 600 mg/M³ (100 ppm) Skin.

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SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear liquid with mild odor.
BOILING POINT:..... NOT EST.
VAPOR PRESSURE:..... NOT EST.
VAPOR DENSITY (AIR=1):..... NOT EST.
SPECIFIC GRAVITY:..... 1.01
pH: 2.5 ± 0.5 AS IS
SOLUBILITY IN WATER:..... Completely soluble in water.

SECTION X – STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS
POLYMERIZATION: Will not occur
INCOMPATIBILITY: Strong oxidizing agent, strong acids.
HAZARDOUS
DECOMPOSITION: Carbon monoxide and carbon dioxide upon thermal decomposition.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL

INFORMATION: **Dipropylene glycol methyl ether:** Acute Toxicity: Ingestion LD50, Rat 5135 mg/kg. Skin Absorption LD50, Rabbit > 20 ml/kg; Sensitization Skin: Did not cause allergic skin reactions when tested in humans. **Related Dose Toxicity:** In animals, effects have been reported on the following organs: Liver, Kidney. Symptoms of excessive exposure may be anesthetic or narcotic effects: dizziness and drowsiness may be observed. **Developmental Toxicology:** Did not cause birth defects or any other fatal effects in laboratory animals. **Genetic Toxicology:** In Vitro genetic toxicity studies were negative. **Hydrogen peroxide:** Acute oral toxicity: LD50, rat: 1,232 mg/kg (H₂O₂ 35%). Acute inhalation toxicity: LC50, 4hr, rat: 2,000 mg/M³, (Hydrogen peroxide). Acute dermal irritation/corrosion: LD50, rabbit, > 2,000 mg/kg (H₂O₂ 35%). Eye irritation: Risk of serious damage to eyes. Chronic toxicity: Oral, prolonged exposure, various species, target organs: Gastrointestinal tract, observed effect - Inhalation, Repeated exposure, Lowest observable effect level: 14.6 mg/M³, irritant effects.

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICAL

INFORMATION: **Dipropylene glycol methyl ether:** Persistence and Biodegradability: Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Material is ultimately biodegradable (reaches >70% mineralization in OECD test(s) for inherent biodegradability, Ecotoxicity: Material is practically non-toxic to aquatic organisms on an acute basis. (LC50/EC50L 100 mg/L in the most sensitive species tested.) **Hydrogen peroxide:** Acute oral toxicity: Fishes, Pimephales promelas, LC50, 96hr: 16.4 mg/L. Fishes, Pimephales promelas, NOEC 6 h4: 5 mg/L. Crustaceans, EC50, 48hr: 2.4 mg/L. Crustaceans, NOEC,

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48hr: 1 mg/L. Chronic toxicity: Molluscs, NOEC, 56 days: 2mg/L. Algae, Chlorella vulgaris, EC50, growth rate, 72 hr: 4.3 g/L. Algae, Chlorella vulgaris, NOEC, 72 hr: 0.1 mg/L. Degradation: Air - Indirect photo-oxidation, t 1/2 from 16-20 hr. Biodegradation: Aerobic, readily biodegradable. Bioaccumulative potential: Does not bioaccumulate.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:..... Consult all LOCAL, STATE, and FEDERAL regulations with regard to proper and suitable disposal methods.

SECTION XIV – TRANSPORTATION INFORMATION

PROPER SHIPPING NAME: N/A
HAZARD CLASS AND LABEL: NON HAZARDOUS
UN NUMBER: N/A
PACKAGING GROUP: N/A

SECTION XV – REGULATORY INFORMATION

LISTED CARCINOGEN:..... None known
TSCA STATUS:..... All components in this product are listed on the TSCA inventory.
SARA SECTION 313: This product **does not** contain any EPCRA section 313 chemicals subject to the reporting requirements of section 313 of the Emergency Planning Community Right-To-Know Act of 1986 (40CFR 372):
NFPA HEALTH: 2
NFPA FLAMMABILITY: 0
NFPA REACTIVITY: 0
R-PHRASES: R36: Irritating to eyes R38: Irritating to skin R22: Harmful if swallowed
S-PHRASES:..... S24/25: Avoid contact with skin, eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
CANADIAN WHMIS:..... This MSDS has ben prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.
CANADIAN DSL: (Domestic Substances List)

SECTION XVI – OTHER INFORMATION

REFERENCES: The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. HYDRAMASTER CORP. assumes no responsibility for injury to any person or property resulting from any use of the material if reasonable safety procedures are not adhered to. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

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FOOT NOTES: NOT EST. = Not Established, N/A = Not Applicable, (Ceil) = TLV ceiling limit.