

MATERIAL SAFETY DATA SHEET

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MSDS Ref. No : 2020
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Revision No : 2

Qualitek Water Soluble Wave Oil 2020

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Qualitek Water Soluble Wave Oil 2020
PRODUCT DESCRIPTION: Water Soluble Wave Oil

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Content</u>	<u>CAS</u>	<u>EINECS</u>
Non-ionic Surfactant	95	9016-45-9	

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation, experienced as mild discomfort and seen as a light excess redness of the eye(s).

SKIN: Brief contact may cause slight irritation. Prolonged contact as with clothing wetted with material, may cause more severe irritation and discomfort, seen as local redness and swelling.

INGESTION: May cause nausea, vomiting, and gastrointestinal irritation.

INHALATION: Vapors or mists in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea and drowsiness.

CHRONIC: There are no known chronic effects associated with this material.

MEDICAL CONDITIONS AGGRAVATED: There is no evidence that this product aggravates any existing medical conditions.

4. FIRST AID MEASURES

INGESTION: If victim is conscious, give several glasses of water and keep the airway clean. Get medical attention.

INHALATION: Move person to fresh air. If breathing is stopped or is labored, give assisted respiration (e.g. mouth-to-mouth). Supplemental oxygen may be indicated. Seek medical advice if necessary.

COMMENTS: If victims of chemical over-exposure are taken for medical attention, give a copy of the label or this MSDS to the physician/health care professional.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: > 316°C (600°F)COC (Cleveland Open Cup)

FLAMMABLE LIMITS: 0 to 0

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical or appropriate foam.

FIRE FIGHTING PROCEDURES: Water or foam may cause frothing, which can be violent and possibly endanger the life of the firefighter. Water may be used to keep fire-exposed containers cool until the fire is out.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Avoid contact with eyes and avoid breathing vapors. Transfer product to suitable, labeled containers for disposal at an approved facility. Absorb liquid spillage with inert materials such as sand, and wash the spill area with water and detergents.

SPECIAL PROTECTIVE EQUIPMENT: Appropriate respiratory protection and protective clothing. Provide adequate ventilation during clean-up.

7. HANDLING AND STORAGE

HANDLING: Minimum feasible handling temperatures should be maintained.

STORAGE: Store in a cool, well ventilated place away from incompatible materials. Keep containers tightly closed when not in use. Protect containers from damage. Periods of exposure to high temperatures should be minimized and water contamination should be avoided.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: General (mechanical) room ventilation is expected to be satisfactory where this product is stored and handled and in closed equipment. Special local ventilation is needed at points where vapors can be expected to escape into the workplace air.

PERSONAL PROTECTIVE EQUIPMENT

SKIN: Rubber, chemical resistant gloves.

RESPIRATORY: Not normally needed in well ventilated areas. If vapor concentration is high, use NIOSH/MSHA approved respiratory protection device.

WORK HYGIENIC PRACTICES: Good personal hygiene practices should be used. Wash after any contact, before eating, and at the end of the work period.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Slight characteristic odor.

APPEARANCE: Pale liquid.

VAPOR PRESSURE: 50

VAPOR DENSITY: 50

BOILING POINT: -17.778°C to -17.778°C

SPECIFIC GRAVITY: 1

(VOC): 100

10. STABILITY AND REACTIVITY

STABILITY: Stable under ordinary use and storage conditions.

POLYMERIZATION: Will not occur under normal use and storage conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, irritating aldehydes and ketones may be formed on burning. Heating in air may produce irritating aldehydes, acids, and ketones.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE

INHALATION LC₅₀: Believed to be practically nontoxic.

EYE EFFECTS: Primary Eye Irritation Index (Rabbits): 14.40 (maximum is 110)

SKIN EFFECTS: Primary Skin Irritation Index (Rabbit): 1.04 (maximum is 8.0)

GENERAL COMMENTS: This product may contain residue (less than 100 ppm) concentration of ethylene oxide. Ethylene oxide causes tumors in laboratory animals.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: LC50 (96 Hour): Aquatic toxicity rating is believed to be > 1.00 - 10.00 ppm - moderately toxic.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of this material, contaminated absorbent material and other contaminated materials in an approved waste disposal facility, according to all applicable Federal, State, and Local regulations. Recovery and reuse, rather than disposal, should be the ultimate goal in handling efforts.

RCRA/EPA WASTE INFORMATION: This product is not a hazardous waste as listed in 40CFR261.33. It does not exhibit any of the hazardous characteristics listed in 40CFR261, Subpart C.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated by DOT

15. REGULATORY INFORMATION

UNITED STATES

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA RQ: Glycol Ethers (fraction of product matching EPA definition): 1.00 - 2.99 %, RQ: 1 lb Residual Ethylene Oxide CAS# 75-21-8: 0.001 %, RQ: 10.0 lbs

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All ingredients are listed or are exempt from listing (as polymers) on the Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Not regulated.

EUROPEAN COMMUNITY

EUROPEAN COMMUNITY REGULATORY: Australian Inventory Status (AICS): All ingredients are listed

CALIFORNIA PROPOSITION 65: The following components are known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986.": Ethylene Oxide (C, R) (trace amounts) C = Cancer Causing, R = Reproductive Toxicity

16. OTHER INFORMATION

APPROVED BY: P. Han **TITLE:** Technical Director

PREPARED BY: J. Saleda-Layton

INFORMATION CONTACT: (630) 628-8083

REVISION SUMMARY Revision #: 2 This MSDS replaces the July 02, 2010 MSDS. Any changes in information are as follows: In Section 5 Auto Ignition °C (From) Flash Point (Operator) Flash Point °F (From) Flash Point °C (From) Flash Point Method