SAFETY DATA SHEET

Date Issued: 09/05/2010
MSDS Ref. No.: Q137
Date Revised: 02/06/2025
Revision No: 04

FOR ASIA

Qualitek® Q137 – Flux Remover

1. PRODUCT AND COMPANY IDENTIFICATION

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Product Name: Q137
Product model: Flux Remover Q137

MANUFACTURING COMPANY:
QUALITEK-DELTA PHILIPPINES, INC.
Phase I, Qualitek Ave., Freeport Area of Bataan,
Mariveles, Bataan, Philippines, 2105
Tel No.: (047)-275-0675

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Content	CAS #	EINECS#
2-Propanol	80%	67-63-0	200-661-0
Petroleum Distillate	20%	64742-47-8	265-149-8

3. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS
HEALTH: Eye Irritation, Category 2A
GHS LABEL



EEC Highly flammable – "F"



EEC Irritant – "Xi"

SIGNAL WORD: WARNING
PRECAUTIONARY STATEMENT(S)
PREVENTION:
P280: Wear protective gloves/protective clothing/eye protection/ face protection.
RESPONSE:
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists. Get medical advice/ attention.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P301+P330+P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
STORAGE:
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
DISPOSAL:
P501: Dispose of contents/container in accordance to local/ regional/ national/international regulations.
POTENTIAL HEALTH EFFECTS
EYES: May cause eye irritation.

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SKIN: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis)
INGESTION: May cause nausea, vomiting and gastrointestinal irritation.
INHALATION: May be irritating to the mucous membranes and to the respiratory tract. Narcotic at high vapor concentration.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Stinging, tearing, redness and swelling.
SKIN: Redness, burning, drying, cracking and rash.
INGESTION: Nausea, vomiting impaired coordination, diarrhea, dizziness, drowsiness, weakness, fatigue, headache and loss of consciousness.

CARCINOGENICITY: This product contains no components at concentrations of 0.1 percent or greater that are listed by IARC, NTP, OSHA or ACGIH as carcinogens

4. FIRST AID MEASURES

EYES: Remove any contact lenses. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention if irritation develops.

SKIN: Immediately wash skin with soap and large amounts of water. Remove contaminated clothing, including shoes, after flushing has begun. Get medical attention if irritation develops.

INGESTION: If swallowed, DO NOT induce vomiting. Get immediate medical attention.

INHALATION: If symptoms of overexposure are experienced, evacuate to fresh air. If symptoms persist, seek medical attention.

NOTES TO PHYSICIAN: If symptoms such as loss of gag reflex, convulsions, or consciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered. Metabolism of Isopropanol forms acetone, which may be detected in the urine or expired air. In contrast to diabetic acidosis, acidosis will occur in the absence of hyperglycemia. Hemodialysis should be considered in severe acute intoxications.

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

GENERAL HAZARD: Flammable Liquid. Can release vapor that forms flammable mixtures at temperatures at or above the flash point. Empty containers retain product residue (liquid and/or vapor). DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

EXTINGUISHING MEDIA: Alcohol foam, carbon dioxide, or dry chemical.

HAZARDOUS COMBUSTION PRODUCTS: May include carbon monoxide and carbon dioxide.

FIRE FIGHTING PROCEDURES: Either allow fire to burn under controlled conditions or extinguish with alcohol type foam and dry chemical. Try to cover liquid spills with foam. Use water spray to cool fire exposed surfaces and to protect personnel. Shut off "fuel" to fire. If a leak or spill has not ignited, use water spray to disperse the vapors.

FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus and full protective turn-out gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. Consult an expert on disposal of recovered materials and ensure conformity to local disposal regulations.

LARGE SPILL: If in public area, keep public away and advise authorities. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Recover by pumping (use an explosion proof and hand pump) or with a suitable absorbent. Consult section13 for disposal information.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Contain spill. Prevent contact with eyes, skin and clothing. Prevent flow to larger or flowing bodies of water. Isolate and take up material for recovery or disposal.

LAND SPILL: In the event of a land spill, prevent liquid from entering sewers, water sources, or low areas.

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7. HANDLING AND STORAGE

HANDLING: Keep container closed. Handle and open containers with care. DO NOT handle near an open flame, heat, or other sources of ignition. DO NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning. Use with adequate ventilation. Avoid contact with eyes, skin or clothing. Open containers slowly to allow excess pressure to vent.

STORAGE: Store in a cool, well ventilated place away from incompatible materials. Do not store near an open flame, heat, or other source of ignition. Protect materials from direct sunlight.

ELECTROSTATIC ACCUMULATION HAZARD: Use proper grounding and bonding procedures when transferring material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general and/or local exhaust ventilation to control airborne levels below the OSHA/ACGIH exposure guidelines.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear splash with face shield.

SKIN: Neoprene rubber gloves, impermeable gloves, cuffed, butyl-rubber gloves, or nitrile rubber gloves.

RESPIRATORY: Atmospheric levels should be maintained below the exposure guideline. For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures and/or without sufficient ventilation, use NIOSH/MSHA approved air-purifying respirator.

PROTECTIVE CLOTHING: Protective clothing and safety shoes as necessary to minimize contact.

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

OTHER USE PRECAUTIONS: Eye wash station and quick drench safety shower in immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mineral ethereal odor.
APPEARANCE: Colorless Liquid.
VAPOR PRESSURE: 39 mmHg at 20ºC (68ºF)
BOILING POINT: 82°C (180°F)
SOLUBILITY IN WATER: Partially Soluble
SPECIFIC GRAVITY: 0.777 to 0.783

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: None known.
INCOMPATIBLE MATERIALS: Strong oxidizing agents an reducing agents.

11. TOXICOLOGICAL INFORMATION

GENERAL COMMENTS: No definitive information available on carcinogenicity, mutagenicity, target organs or developmental toxicity. High doses repeated exposure may affect nervous system.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: May be dangerous if water supply is contaminated by this product. Notify officials if entrance occurs.

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GENERAL COMMENTS: No information on ecological toxicity or biodegradability is available at this time. Major portion is readily biodegradable. However, some parts will normally float in water with its lighter components evaporating rapidly. In stagnant or slow-flowing waterways, a layer may cover some surface area which might limit atmospheric oxygen transport into water.

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.

EMPTY CONTAINER: Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or otherwise properly disposed of.

GENERAL COMMENTS: This substance, when discarded of, could be hazardous waste according to Federal regulations (40 CFR 261) due to its characteristic of ignitability (D001). The transportation, storage, and disposal of this waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can occur only in properly permitted facilities. Check state and local regulations for any additional requirements, as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in the MSDS incomplete, inaccurate or otherwise inappropriate.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Flammable Liquid, N.O.S.
TECHNICAL NAME: Contains Isopropanol
PRIMARY HAZARD CLASS/DIVISION: 3
UN/NA NUMBER: UN 1993
PACKING GROUP: II
PLACARDS: Flammable Liquid
LABEL: Flammable Liquid

15. REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312 HAZARD CATEGORIES:
Delayed Hazard: Yes
Fire Hazard: Yes
Immediate Health
Hazard: Yes
Reactive Hazard: No
This product does not contain toxic chemicals at levels which require reporting under the statute.
CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, LIABILITY ACT)
CERCLA REGULATORY: Not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).
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.
CALIFORNIA PROPOSITION 65: This product does not contain materials which the state of California has found to cause cancer, birth defects or other reproductive harm.
CANADA
WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): WHMIS
Hazardous Ingredients: 2-Propanol
WHMIS CLASS: CLASS B Division 2, Class D Division 2B

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16. OTHER INFORMATION

HMIS Rating



PREPARED BY: Renato Layug
INFORMATION CONTACT: (047)-275-0675
REVISION SUMMARY 4 – Review

MANUFACTURER DISCLAIMER: The information contained herein is based upon data considered to be accurate and is offered solely for information, customer consideration and investigation. The manufacturer extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any purchaser's use. The content of this Material Safety Data Sheet relates only to this product as sold and does not relate to use with any other material or in any process. All chemical products should be used only by, or under, the direction of technically qualified personnel, who are aware of the hazards involved and of the necessity for reasonable care in handling. Hazard communication regulations, United States Occupational Health and Safety (OSHA) and Canadian Workplace Hazardous Materials Information System (WHMIS) require that employees must be trained in the use of Material Safety Data Sheets as a source of hazards information and response.