



Material Safety Data Sheet

Section 1 - Product Information

Product Name: **No Clean Rework Wand Flux**

Manufacturer: Qualitek International, Inc. Emergency Telephone Number: 1-800-535-5053
315 Fairbank Street Information Telephone Number: 1-630-628-8083
Addison, IL 60101, USA Fax Number: 1-630-628-6543

Date Prepared: 01/15/99

Supersedes: 04/16/98

Section 2 - Hazardous Ingredients

Hazardous Components:

<u>Chemical</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Wt. %</u>
2 - Propanol	67-63-0	400 ppm	400 ppm	< 95

No other Hazardous ingredients exceed 1%.

Non-Hazardous Components:

Other ingredients are not considered hazardous according to 29 CFR 1910.1200

Hazard Rating Systems

HMIS: Health: 2 Flammability: 3 Reactivity: 1 Personal Protection: X

Section 3 - Physical and Chemical Characteristics

Boiling Point: 180°F (82°C)

Specific Gravity (H₂O = 1 @24°C): 0.800 ± 0.006

Melting Point: Not Applicable

Vapor Pressure (mm Hg): 33.00 @68°F(20°C)

Vapor Density (AIR=1): 2.07

Evaporation Rate(Butyl Acetate=1): < 2.3

Solubility in Water: Partial

Reactivity in Water: None

Appearance and Odor: Light straw liquid, rubbing alcohol odor

Section 4 - Fire and Explosion Data

Flash Point: 53°F

Flammable Limits: LEL 2.5 %

Auto Ignition Temperature: 852°F

UEL 12.0 %

Extinguishing Media: Carbon dioxide, dry chemical or alcohol foam

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus (SCBA) and protective clothing

Unusual Fire and Explosion Hazards: Closed container may explode when exposed to extreme heat.

Section 5 - Reactivity Data

Incompatibility (Materials to Avoid): Strong oxidizers

Hazardous Decomposition or Byproducts: May release toxic vapors / gasses such as carbon monoxide and carbon dioxide.

Hazardous Polymerization:-May Occur: Will not Occur:

Conditions to Avoid: Ignition sources such as sparks and open flames

Section 6 - Health Hazards

Route(s) of Entry: Inhalation? Skin? Ingestion?

Acute (Severe Short Term) Health Hazards: Irritation to eyes, skin, respiratory tract; Ingestion - minimal toxicity, small amounts of the liquid aspirated into the respiratory system during ingestion, or from vomiting, may cause bronchiopneumonia or pulmonary edema.

Chronic (Long Term) Health Hazards: Frequent or prolonged contact with skin may cause dermatitis.

Carcinogenicity: None according to NTP, IARC, and OSHA.

Signs and Symptoms of Exposure: INGESTION nausea, vomiting, impaired coordination, diarrhea, dizziness, drowsiness, weakness, fatigue, headache, loss of consciousness; SKIN - redness, burning, drying, cracking, and rash; EYE - stinging, tearing, redness, and swelling

Medical Conditions Generally Aggravated by Exposure: Not Determined

Emergency and First Aid Procedures: Perform the following First-Aid procedures; consult a physician and get proper medical attention when necessary.

Eye Contact: Flush eyes with plenty of water for 15 minutes.

Skin Contact: Wash thoroughly with soap and water; use lotion to prevent dryness.

Inhalation: Remove to fresh air.

Ingestion: Drink a lot of water, do not induce vomiting and get proper medical attention.

Section 7 - Special Precautions and Spill/Leak Procedures

Steps to be taken in Case Material is Released or Spilled: Eliminate ignition sources, implement cleanup procedures.

Waste Disposal Method: Dispose of in accordance with Federal, State, and local regulations.

Precautions to be taken in Handling and storage: Do not use near spark, flame, or other ignition sources. Use proper grounding procedures to avoid sparks from static electricity. Keep containers closed and upright to prevent leakage.

Other Precautions: Avoid repeated or prolonged breathing of vapor or skin contact.

Section 8 - Special Protection Information / Control Measures

Respiratory Protection: Where concentrations may exceed exposure limits use NIOSH/MSHA approved respirators to prevent overexposure by inhalation.

Ventilation: Local and/or General ventilation should be used to keep exposures below limits.

Protective Gloves: Chemical resistant gloves recommended

Eye Protection: Chemical goggles recommended

Other Protective clothing or Equipment: As needed to avoid contact.

Work / Hygienic Practices: Wash hands after handling product.

Section 9 - Other Regulatory Information

TSCA: Subject chemical substance(s) and ingredient(s) are all listed on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

CERCLA: If this product is accidentally spilled, it is not subject to any special reporting requirements of the Comprehensive Environmental Response, Compensation And Liability Act ("CERCLA") Contact local authorities to determine if there are any local reporting requirements.

SARA TITLE III: Section 311/312 - This product is classified into the following hazard categories: Immediate Health, Delayed Health, Fire. Section 313 - This product is not subject to the Community Right-To-Know reporting requirements.

DOT: DOT Proper Shipping Name - Flammable Liquids, n.o.s. (contains Isopropyl alcohol), 3, UN 1993, II

California Proposition 65: This product a chemical known to some states to cause cancer and birth defects or other reproductive harm.

This information contained herein is based upon data considered accurate and is offered solely for information, consideration and investigation. Qualitek 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 data on the Material Safety Data Sheet relates only to this product 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 the necessity for reasonable care in handling. Hazard communication regulations, USA Occupational Safety and Health Act (OSHA), and Canada Workplace Hazardous Materials Information System (WHMIS), require that employees must be trained on the use of Material Safety Data Sheets as a source of hazardous information.