

# MATERIAL SAFETY DATA SHEET

**Date-Issued :** 01/01/2007  
**MSDS Ref. No :** PF400  
**Date-Revised :** 02/02/2010  
**Revision No :** 1

## Qualitek RA Paste Flux PF400

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Qualitek RA Paste Flux PF400  
**PRODUCT DESCRIPTION:** Paste Flux

#### MANUFACTURER

Qualitek International, Inc.  
 315 Fairbank St.  
 Addison, IL 60101  
**Product Stewardship:** (630) 628-8083

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

1-800-535-5053 Infotrac  
 1-352-323-3500 Outside the U.S.

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Content</u>	<u>CAS</u>	<u>EINECS</u>
Glycol Ether DB	< 20	112-34-5	203-961-6
Modified Rosin	< 60	65997-05-9	

### 3. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** Fumes from this and other soldering products may cause eye irritation.

**SKIN:** Vapors from this and other soldering products may cause skin irritation.

**INGESTION:** Ingestion of this or other soldering products may cause headache, nausea, and muscular pain.

**INHALATION:** Inhalation of the fumes from this or other soldering products may cause headache, nausea and muscular pain.

**CHRONIC:** Prolonged or repeated exposure due to ingestion may cause anemia, insomnia, weakness, constipation and abdominal pain.  
 Prolonged or repeated exposure due to skin exposure and inhalation may cause skin rash and damage to the mucous membranes.

### 4. FIRST AID MEASURES

**EYES: MOLTEN PRODUCT:** Cool burns with plenty of low-pressure water. Get immediate medical attention. **SOLID PRODUCT:** Remove any contact lenses. Immediately flush eyes with large quantities of water for at least 15 minutes. Get medical attention if irritation develops.

**SKIN: MOLTEN PRODUCT:** Immediately cool skin burns with water and cold packs for at least 15 minutes. Do not put ice directly on the skin. Do not attempt to remove solidified product from the skin, as damage may result. Get immediate medical attention. **SOLID PRODUCT:** Immediately wash skin with soap and copious amounts of water. Use lotion to prevent dryness. Get medical attention if irritation develops.

**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 used. Get medical attention.

**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:** > 116°C (240°F)

**FLAMMABLE LIMITS:** N/E

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**AUTOIGNITION TEMPERATURE:** > 227°C (440°F)

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical or appropriate foam. Water may be effective for cooling containers but not for extinguishing.

**EXPLOSION HAZARDS:** Closed containers may explode when exposed to fire conditions.

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

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## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Scoop up material and deposit in appropriate containers. Clean up residual spill area with isopropanol or detergent water.

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## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Store in a cool dry place away from incompatible materials. Keep away from heat, flame, sparks and other sources of ignition. Keep containers closed when not in use.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust may be necessary if working with the product in enclosed areas or at elevated temperatures.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Face shield, safety glasses with side shield or chemical splash goggles.

**SKIN:** Rubber, chemical resistant gloves. When material is heated, wear gloves to protect against thermal burns.

**RESPIRATORY:** Not normally needed in well ventilated areas. If the ventilation is insufficient to remove smoke from soldering processes, use NIOSH/MSHA approved cartridge type 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Mild.

**APPEARANCE:** Smooth amber paste.

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined

**BOILING POINT:** 256°C (493°F)@ 760 mmHg

**MELTING POINT:** > 100°C (212°F)

**SOLUBILITY IN WATER:** Partially Soluble

**SPECIFIC GRAVITY:** 1.031 to 1.033 (water=1)

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## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under ordinary use and storage conditions.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Under fire conditions carbon dioxide and carbon monoxide may be evolved.

**INCOMPATIBLE MATERIALS:** Strong acids and strong oxidizers should be avoided..

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## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY:**

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**IARC:** Not listed.

**NTP:** Not listed.

**OSHA:** Not listed.

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## 12. ECOLOGICAL INFORMATION

**GENERAL COMMENTS:** No information on ecological toxicity or biodegradability is available at this time.

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## 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.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not regulated by DOT

### CANADA TRANSPORT OF DANGEROUS GOODS

**PROPER SHIPPING NAME:** Not regulated

### AIR (ICAO/IATA)

**PROPER SHIPPING NAME:** Not regulated

### VESSEL (IMO/IMDG)

**PROPER SHIPPING NAME:** Not regulated

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## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Not considered a hazard.

**313 REPORTABLE INGREDIENTS:** None.

#### 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:** When used for soldering and similar applications chemicals may be produced which are known to some states to cause birth defects or other reproductive harm.

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## 16. OTHER INFORMATION

**REASON FOR ISSUE:** New format

**APPROVED BY:** Tippy Wicker    **TITLE:** Director of Product Management

**PREPARED BY:** Jill Saleda

**INFORMATION CONTACT:** (630) 628-8083

**REVISION SUMMARY** Revision #: 1 This MSDS replaces the January 25, 2007 MSDS. Any changes in information are as follows:

## HMIS RATING

<b>HEALTH:</b>	<b>2</b>
<b>FLAMMABILITY:</b>	<b>1</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	<b>B</b>

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