

# MATERIAL SAFETY DATA SHEET



Date-Issued:05/28/2004  
MSDS Ref. No:03358NVOC  
Date-Revised:05/28/2004  
Revision No:New MSDS

## #358NVOC Liquid Flux

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### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** #358NVOC Liquid Flux  
**PRODUCT DESCRIPTION:** No Clean VOC Free Flux

#### MANUFACTURER

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

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**Emergency Phone:** (800) 535-5053

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Name**

**Wt.%, CAS# EINECS#**

**COMMENTS:** This product contains no ingredients that are considered hazardous according to 29 CFR 1910.1200.

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### 3. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**EYES:** May cause eye irritation.

**SKIN:** Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

**INGESTION:** May cause irritation of the mouth, throat, and gastrointestinal tract.

**INHALATION:** May be irritating to the mucous membranes and to the respiratory tract.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Stinging, tearing, redness, and swelling.

**SKIN:** Redness, burning, drying, cracking and rash.

**INGESTION:** Possible nausea and/or vomiting

**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.

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### 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 or vision problems develop.

**SKIN:** Immediately wash skin with soap and copious amounts of water. Remove any contaminated clothing. Get medical attention if irritation develops. Wash contaminated clothing before reuse.

**INGESTION:** If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt 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.

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### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Flammable

**FLAMMABLE LIMITS:** N/A

**EXTINGUISHING MEDIA:** Use media for surrounding fire conditions.

**FIRE FIGHTING PROCEDURES:** Cool containers with water to prevent rupturing.

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

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## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb spilled material with sand or other noncombustible absorbent material and place into containers for later reclamation or disposal.

**LARGE SPILL:** Contain spilled liquid with sand, absorbent material, or concrete dikes for recovery or disposal. Collect spilled material for disposal in accordance with all applicable Federal, State and Local regulations.

### 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, watercourses, or low areas.

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## 7. HANDLING AND STORAGE

**HANDLING:** Use appropriate personal protective equipment, and handle in a well-ventilated area. Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

**STORAGE:** Store in a cool, well ventilated place away from incompatible materials. Keep containers tightly closed when not in use. Protect containers from damage.

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

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## 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 goggles or glasses 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 a 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Slight acidic odor.

**APPEARANCE:** Liquid

**COLOR:** Dark amber.

**VAPOR PRESSURE:** 218 mmHg at 78°C (173°F)

**VAPOR DENSITY:** 0.6 (Air=1)

**BOILING POINT:** 105°C (221°F)

**MELTING POINT:** Not Applicable

**SOLUBILITY IN WATER:** Complete  
**EVAPORATION RATE:** <1.0 (n-Butyl Acetate=1)  
**SPECIFIC GRAVITY:** 0.994 to 1.006

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## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under ordinary use and storage conditions.  
**POLYMERIZATION:** Will not occur.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.  
**INCOMPATIBLE MATERIALS:** Strong bases and strong oxidizing materials.

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## 11. TOXICOLOGICAL INFORMATION

**GENERAL COMMENTS:** No toxicological information available at this time.

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

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## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**  
**PROPER SHIPPING NAME:** Not regulated by DOT

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## 15. REGULATORY INFORMATION

**UNITED STATES**  
**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND 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:** 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

### HMIS RATING

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

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

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**REVISION SUMMARY** New MSDS