

# SAFETY DATA SHEET

Date Issued : 9/30/2009  
 MSDS No : Q-Plus  
 Date Revised : 12/9/2015  
 Revision No : 11

## Q-Plus Soldering Paste Flux

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Q-Plus Soldering Paste Flux  
**PRODUCT DESCRIPTION:** Q-Plus Soldering Paste Flux

#### MANUFACTURER

Qualitek International, Inc.  
 315 Fairbank St.  
 Addison, IL 60101  
**Emergency Phone:** (800) 535-5053  
**Service Number:** (630) 628-8083

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

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

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Environmental:

Acute Hazards to the Aquatic Environment, Category 1B

#### GHS LABEL



Corrosion



Environment



Exclamation  
mark

#### SIGNAL WORD: DANGER

#### HAZARD STATEMENTS

H314: Causes severe skin burns and eye damage.  
 H413: May cause long lasting harmful effects to aquatic life.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Causes eye burns.

**SKIN:** May cause skin irritation and burns.

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

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

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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Chemical Name	Wt. %	CAS
Petrolatum USP	< 70	8009-03-8
Zinc chloride	< 25	7646-85-7
Ammonium chloride	< 5	12125-02-9

**COMMENTS:** SVHC - This product does not contain any substances of very high concern.

### 4. FIRST AID MEASURES

**EYES:** Remove any contact lenses. Immediately flush eyes with large quantities of water for at least 15 minutes. Do not attempt to neutralize with chemical agents. Get medical attention if irritation or vision problems develop.

**SKIN:** In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

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

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

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CHRONIC EFFECTS:** 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.

**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

**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.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Not Available

**LARGE SPILL:** Not Available

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** This material is considered to be a water pollutant and releases of this product should be prevented from contaminating soil and water and from entering drainage and sewer systems. If product is released

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to the environment, take immediate steps to stop and contain release. Caution should be exercised regarding personnel safety and exposure to the related product. Notify local authorities and the National Response Center (NRC), if required.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** No special requirements.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear splash goggles or glasses with face shield.

**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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**ODOR:** Mild.

**APPEARANCE:** Paste.

**COLOR:** Dark amber.

**PERCENT VOLATILE:** < 1.0 %

**FLASH POINT AND METHOD:** > 100°C (212°F)

**AUTOIGNITION TEMPERATURE:** None

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined

**MELTING POINT:** 49°C (120°F)

**SOLUBILITY IN WATER:** Partially Soluble

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

### 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

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

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**POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** None

**INCOMPATIBLE MATERIALS:** Strong oxidizing agents.

### 11. TOXICOLOGICAL INFORMATION

#### CARCINOGENICITY

**IARC:** Not listed.

**NTP:** Not listed.

**OSHA:** Not listed.

### 12. ECOLOGICAL INFORMATION

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

### 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.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Corrosive Solid, N.O.S. (zinc chloride, anhydrous mixture and ammonium chloride)

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** 1759

**PACKING GROUP:** III

**LABEL:** Corrosive

### 15. REGULATORY INFORMATION

#### UNITED STATES

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

**311/312 HAZARD CATEGORIES:** Acute health hazard, reactive hazard and fire 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.

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**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.

### 16. OTHER INFORMATION

**REASON FOR ISSUE:** New format

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

**PREPARED BY:** J. Saleda-Layton

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

**REVISION SUMMARY:** This MSDS replaces the 10/14/2013 MSDS. Revised: **Section 14: DOT** (DEPARTMENT OF TRANSPORTATION) ( UN/NA NUMBER ).

#### HMIS RATING

<b>HEALTH</b>	<input type="checkbox"/>	<b>2</b>
<b>FLAMMABILITY</b>	<input type="checkbox"/>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<input type="checkbox"/>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<input type="checkbox"/>	<b>B</b>

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