



# Material Safety Data Sheet

## Section 1 - Product Information

Product Name: **#CP4000**

Manufacturer : Qualitek International, Inc.  
315 Fairbank Street  
Addison, IL 60101, USA

Emergency Telephone Number: 1-800-535-5053  
Information Telephone Number: 1-630-628-8083  
Fax Number: 1-630-628-6543  
Date Prepared: 01/14/99  
Supercedes: 04/15/96

## Section 2 - Hazardous Ingredients

<u>Chemical Common Name(s)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Wt. %</u>	<u>CAS #</u>
<u>Hazardous</u> Ammonium Chloride	10 mg/m <sup>3</sup> as fume	10mg/m <sup>3</sup> as fume (For Ammonium chloride as fume ACGIH STEL: 20 mg/m <sup>3</sup> )	< 15	12125-02-9

### Hazard Rating Systems

HMIS: Health: 3 Flammability: 0 Reactivity: 0 Personal Protection: C

No other Hazardous ingredients exceed 1%. Other ingredients are not considered hazardous according to 29 CFR 1910.1200

## Section 3 - Physical and Chemical Characteristics

<u>Boiling Point</u> : 212°F (100°C)	<u>Specific Gravity (H<sub>2</sub>O =1 @25°C)</u> : 1.10 ± 0.10
<u>Vapor Pressure (mm Hg)</u> : 218 @173°F(78.2°C)	<u>Melting Point</u> : Not Applicable
<u>Vapor Density (AIR=1)</u> : 0.60	<u>Evaporation Rate(Butyl Acetate=1)</u> : N/A
<u>Solubility in Water</u> : Complete	
<u>Appearance and Odor</u> : Clear liquid, odorless	

## Section 4 - Fire and Explosion Data

<u>Flash Point</u> : Non-Flammable	<u>Flammable Limits in Air % by Volume</u> :
	LEL Lower: 2.5 UEL Upper: 12
<u>Extinguisher Media</u> : Not Applicable	
<u>Special Fire Fighting Procedures</u> : None	
<u>Unusual Fire and Explosion Hazards</u> : None	

## Section 5 - Reactivity Data

Stability: Stable  Unstable

Incompatibility (Materials to Avoid): Reactive with metals, metal oxides, hydroxides, strong oxidants, potassium chlorate, and amines.

Hazardous Decomposition or Byproducts: When reacted with acids: hydrogen chloride  
When reacted with alkalis: ammonia heated >340°C (644°F) both ammonia & HCl

Hazardous Polymerization: May Occur  Will not Occur  Conditions to Avoid: N/A

## Section 6 - Health Hazards

Acute (Severe Short Term) Health Hazards:

Inhalation of fumes or ingestion may cause headache, nausea, muscular pain, irritation of eye and nose may result from contact with soldering fumes.

Chronic (Long Term) Health Hazards:

Anemia, insomnia, weakness, constipation and abdominal pains due to ingestion, skin rash, damage to mucous membranes due to skin exposure and inhalation.

Signs and Symptoms of Exposure: Irritation of pulmonary system, skin rash

Medical Conditions Generally Aggravated by Exposure: Pre-existing conditions of the lungs, diseases of the blood and blood forming organs; kidneys, nerves and possibly reproductive systems.

Chemical Listed as Carcinogen: None according to NTP, IARC, and OSHA.

Emergency and First Aid Procedures: Perform the following First Aid Procedures; consult a Physician and get proper medical attention when necessary, in case of contact with smoke from soldering or repeated skin contact.

**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 person 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**

Handling and Storage: Do not store or use near spark or flame. Keep containers closed tightly and upright to prevent leakage.

If Material is Released or Spilled: Small spills should be cleaned up with absorbent; large spills should be collected for disposal.

Water Disposal Methods: Disposal in accordance with Federal, State and local regulations.

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

## **Section 8 - Special Protection Information / Control Measures**

Respiratory Protection: Usually not required. When ventilation is not adequate to remove smoke (during soldering) from breathing zone a cartridge type respirator is needed.

Ventilation & Local Exhaust: As required keep PEL & TLV below the limit

Protective Gloves: Neoprene or rubber

Eye Protection: Splash guard goggles.

Other Protective Equipment: Not required.

Work / Hygienic Practices: Wash hands after handling product, avoid prolonged or repeated contact with skin or breathing of vapors.

California Proposition 65: This product, when used for soldering and similar applications produces chemicals known to some states to cause birth defects or other reproductive harm.

## **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 - corrosive liquid, n.o.s. (contains fluoboric acid), UN1760

California Proposition 65: This product, when used for soldering and similar applications produces chemicals known to some states to cause birth defects or other reproductive harm.

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