

MATERIAL SAFETY DATA SHEET

Date-Issued : 05/29/2009
MSDS Ref. No : Ceasolder
Date-Revised : 05/29/2009
Revision No : 1

Qualitek Ceasolder Peelable Solder Mask

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Qualitek Ceasolder Peelable Solder Mask
PRODUCT DESCRIPTION: Peelable Solder Mask

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>
Ammonia	< 0.3	7664-41-7	231-635-3

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

- EYES:** Avoid contact with eyes; may cause redness, irritation and conjunctivitis.
SKIN: May cause skin irritation.
INGESTION: Harmful if swallowed.
INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

- EYES:** Stinging, tearing, redness and swelling.
SKIN: Prolonged or repeated contact may cause skin irritation.
INGESTION: Ingestion may result in diarrhea and/or nausea.
INHALATION: Inhalation may cause respiratory tract irritation.
ACUTE TOXICITY: Low hazard for usual industrial or commercial handling.
CHRONIC: No adverse effects anticipated from available information.
CARCINOGENICITY: None

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: Not considered a developmental toxin.

ROUTES OF ENTRY: Inhalation, ingestion, eye or skin contact.

CANCER STATEMENT: No data available

SENSITIZATION: May cause sensitization by inhalation and skin contact.

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 person is conscious, immediately give 3-4 glasses of water or milk. Do not induce vomiting. Get immediate 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.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: Water spray, foam, dry chemical or carbon dioxide. Do not use a full force water jet.

FIRE FIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance. Immediately remove flammable material from the source of fire. Cool closed containers exposed to fire and water.

FIRE FIGHTING EQUIPMENT: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Cover with absorbent material, soak up and sweep into a drum.

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.

GENERAL PROCEDURES: Absorb all spilled material on sand or vermaculite and place into closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Store in a cool, dry, well-ventilated area. Keep containers closed and protected against physical damage. Use only in well-ventilated areas. Observe all safety precautions with empty containers as they may retain product residues. Observe all warnings and precautions listed.

HANDLING: Do not get in eyes, skin, or on clothing. Avoid breathing vapors or mists. Reasonable measures should be taken and safe practices followed with any work involving industrial chemicals.

STORAGE: Avoid freezing or excessive heat.

STORAGE PRESSURE: Store at local atmospheric pressure.

STORAGE TEMPERATURE: Store in a cool, dry place below 49°C (120°F).

SHELF LIFE: 1 Year from DOM

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>						
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>		
	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	
Ammonia	TWA	50 ppm ^[1]	35 mg/m ³	25 ppm	17 mg/m ³	NL	NL
	STEL	35 ppm	27 mg/m ³	35 ppm	24 mg/m ³	NL	NL

OSHA TABLE COMMENTS:

1. NL = Not Listed

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: Face shield, safety glasses with side shield or chemical splash goggles.

SKIN: Gloves of the following materials may provide protection against permeation: Buna, Butyl, Natural Latex, Neoprene or Solvex. Other materials may not provide adequate protection.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Ammoniacal.

APPEARANCE: Gel like liquid.

COLOR: Pink

pH: 10 to 10.5 5 % aqueous solution (by weight)

PERCENT VOLATILE: 50

FREEZING POINT: 0°C (32°F)

SOLUBILITY IN WATER: Dispersible

DENSITY: 1.02 g/cc

VISCOSITY: 8500 to 15000 Centipoise

(VOC): 27.5 g/L (non-exempt VOC)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid exposure to heat, open flames and other sources of ignition. Avoid contact with incompatible materials.

STABILITY: Stable.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide.

INCOMPATIBLE MATERIALS: Strong bases, alkali metals, and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION**ACUTE**

EYES: Not Available

DERMAL LD₅₀: > 5000 mg/kg (rabbit)

ORAL LD₅₀: 2330 mg/kg (rat)

INHALATION LC₅₀: Not Available

EYE EFFECTS: May be mildly irritating to the eyes.

SKIN EFFECTS: Causes irritation to the skin.

MUTAGENICITY: Not Established

REPRODUCTIVE EFFECTS: Not Established

TERATOGENIC EFFECTS: Test results indicate that this material is not teratogenic.

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: Not regulated

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

15. REGULATORY INFORMATION

UNITED STATES

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.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: None of the chemicals in this product are considered highly hazardous by OSHA.

CALIFORNIA PROPOSITION 65: This product does not contain materials which the state of California has found to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

REASON FOR ISSUE: New format

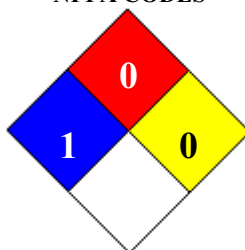
APPROVED BY: Tippy Wicker **TITLE:** Director of Product Management

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INFORMATION CONTACT: (630) 628-8083

REVISION SUMMARY Revision #: 1 This MSDS replaces the May 29, 2009 MSDS. Any changes in information are as follows: In Section 9 (Group Field) for Water Solubility Viscosity (From) Viscosity (To)

NFPA CODES



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