

## Material Safety Data Sheet

to comply with 29 CFR 1910.1200,  
OSHA's Hazard Communication Standard

### OR-550 Organic Soldering Paste, 22-20

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#### Section I:

Distributed By: USA & Canada: 800-345-1178  
The Easthill Group Outside USA: 610-323-2200  
dba/ The Eastwood Company Emergency Contact: 800-424-9300  
263 Shoemaker Road Revised 1/1/2009  
Pottstown, PA 19464

#### Section II: Hazardous Ingredients/Identity information

Hazardous Component	CAS #	OSHA TWA	ACGIH TWA	Other limits	Percentage
Urea	57-13-6	NE	NE	NE	

Only those ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200.  
An ingredient marked with an asterisk(\*) is also listed in 29CFR 1910.1200(D) #4 as a known or suspected cancer hazard.

+ Denotes a chemical regulated as toxic by the Environmental Protection Agency (EPA) as outlined in 40CFR Part 372 (Section 313)(SARA Title III).

#### Section III: Physical/Chemical Characteristics

Boiling Point: 104 C (220 F) Specific Gravity: 1.0g/ml  
Vapor Pressure (mm Hg): NE Melting Point: NE  
Vapor Density: (Air=1) < 1 Evaporation Rate  
Solubility in water: complete (butyl acetate=1): NE  
Appearance and odor: White Paste, mild odor.

#### Section IV: Fire and Explosion Hazard Data

Flash Point: none Flammable limits lel: NA uel: NA  
Extinguishing media: not applicable  
Special fire fighting procedures: None  
Unusual Fire and Explosion Hazards: Small amounts of hydrochloric acid & ammonia at decomposition.

#### Section V: Reactivity Data

Stability : STABLE Conditions to avoid : none  
Incompatability (materials to avoid): oxidizing agents  
Hazardous Decomposition or Byproducts:(incomplete combustion) Hydrochloric acid, ammonia  
Hazardous Polymerization: WILL NOT OCCUR Conditions to avoid: none

#### Section VI: Health Hazard Data

Routes of entry: Inhalation=yes Skin-No Ingestion=yes

Health Hazards (acute and chronic): Contact with fumes and material may cause skin, eye and respiratory tract irritation. Ingestion may cause digestive tract irritation. Toxicity via inhalation and ingestion is considered low. Repeated or gross inhalation may result in mild pulmonary edema, symptoms of which may not manifest for several hours after exposure. Chronic exposure may result in kidney effects. Studies show that potential health risks vary by individual. Always minimize exposure as a precaution.

Carcinogenicity: not determined NTP? no; IARC Monographs? no

Signs and symptoms of exposure: Inhalation-Nose & throat irritation, Headache, dizziness, difficulty breathing, coughing. Ingestion-nausea, vomiting. Skin-redness, burning, rash, dryness. Eye-redness, burning, tearing, blurred vision.

Medical Conditions Aggravated by exposure: Skin allergies and respiratory/lung conditions.

Emergency first aid procedures:

Skin: Flush with water immediately - Wash thoroughly, seek medical attention if required

Eyes: Flush with water for 15 minutes - Seek medical attention

Ingestion: Drink large amounts of water, DO NOT induce vomiting-see medical attention.

Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. Support respiration if required - Seek medical attention.

## Section VII: Precautions for Safe Handling and Use

Steps to be taken if material is released or spilled: Flush into a chemical sewer or soak up with a suitable absorbant.

Waste Disposal Method: dispose of in accordance with all local state and federal regulations

Other Precautions: Avoid skin & eye contact, inhalation & ingestion of fumes and material.

Wash contaminated clothing before reuse. Keep away from children. Do not reuse container.

## Section VIII: Control Measures

Respiratory Protection (type): Organic vapor type respirator for fumes.

Ventilation Local Exhaust preferred Special: NE

Mechanical: OK Other: NE

Protective Gloves: plastic or rubber during soldering

Eye Protection: Goggles or face shield during soldering

Other Protective Clothing or Equipment: as required to avoid contact.

Work/Hygienic Practices: Wash after use. Follow good industrial hygienic practices.

## Section IX: Additional Information

DOT Hazard Classification: Non-hazardous

NFPA Hazard Class: (NFPA 325M, 8th Edition) (Health, Flammability, Reactivity):1-0-0

Other:NE

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NE = not established NA = not available NAP = not applicable