

# MATERIAL SAFETY DATA SHEET

Finished Product



**Date-Issued :** 01/10/2003  
**MSDS Ref. No :** 2211  
**Date-Revised :** 09/22/2005  
**Revision No :** 7

Wondermask P

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Wondermask P

**PRODUCT DESCRIPTION:** Wave solder process masking agent

**PRODUCT CODE:** 2211/CAN/EUR-2SQ, 8SQ, G, 5G, 54G

### MANUFACTURER

Techspray, L.P.  
 1001 N.W. 1st Street  
 P.O. Box 949  
 Amarillo, TX 79107

**Contact:** Chemtrec

**Product Stewardship:** 1-800-858-4043

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (US Transportation) :** (800) 424 - 9300  
**CANUTEC (Canadian Transportation) :** (613) 996 - 6666  
**Emergency Phone :** (800) 858 - 4043

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Content</u>	<u>CAS</u>	<u>EINECS</u>
Acrylic Latex Polymer	75 - 90		
LECIITHIN	1 - 5	8029-76-3	232-440-6
Pigment	< 1	mixt-ur-e	
Alkoxylated alkylphenol	5 - 10	9064-13-5	
Tetrakis[methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate)]methane	< 1	6683-19-8	229-722-6
2-Propenoic acid, telomer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and sodium hydrogen sulfite, sodium salt	1 - 5	97953-25-8	xxx-xxx-x
C7 - C9 alkyl benzyl phthalate	1 - 5	68515-40-2	271-082-5

### EEC LABEL SYMBOL AND CLASSIFICATION

## 3. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** Avoid exposure to vapor concentration in confined areas.

## POTENTIAL HEALTH EFFECTS

**EYES:** Avoid contact with eyes; may cause redness, irritation and conjunctivitis.

**SKIN:** May cause skin irritation.

**INGESTION:** Substance may be harmful if swallowed.

**INHALATION:** Prolonged or excessive inhalation may cause respiratory tract irritation.

## SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Symptoms of overexposure include: stinging, tearing, redness and pain.

**SKIN:** Prolonged or exposure 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.

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## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** If swallowed, do not induce vomiting. If conscious and alert, give two glasses of water. Seek medical attention.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

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## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** None

**FLAMMABLE LIMITS:** N/A to N/A

**EXTINGUISHING MEDIA:** Water, foam, dry chemical, carbon dioxide.

**HAZARDOUS COMBUSTION PRODUCTS:** Smoke, fumes and oxides of carbon.

**FIRE FIGHTING PROCEDURES:** Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

**FIRE FIGHTING EQUIPMENT:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None Expected.

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## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb the liquid and scrub the area with detergent and water. Pick up wash liquid with additional absorbent and place in a disposable container. Do not flush to sewer.

**GENERAL PROCEDURES:** Absorb the liquid and scrub the area with detergent and water.

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## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Wash thoroughly after handling. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Store in a cool dry place.

**HANDLING:** Empty containers will retain product residue and vapor and should be handled as if they were full.

**STORAGE:** S3/9 - Keep in a cool, well ventilated place

**STORAGE PRESSURE:** Store at local atmospheric pressure.

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

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## 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/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>
LECIITHIN						
Pigment	<b>TWA</b> [1]					
Alkoxylated alkylphenol	<b>TWA</b> [2]					
Tetrakis[methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate)]methane	<b>TWA</b>				10 mg/m <sup>3</sup>	
2-Propenoic acid, telomer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and sodium hydrogen sulfite, sodium salt	<b>TWA</b>	NL ppm <sup>[3]</sup>	NL mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>	NL mg/m <sup>3</sup>
		NL ppm	NL mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>	NL mg/m <sup>3</sup>
	<b>STEL</b>	NL ppm	NL mg/m <sup>3</sup>	NL ppm	NL mg/m <sup>3</sup>	NL mg/m <sup>3</sup>

### OSHA TABLE COMMENTS:

1. NOT ESTABLISHED

2. NONE

3. NL = Not Listed

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

## PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**SKIN:** The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Viton, Solvex, Butyl, Buna, Neoprene.

**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**WORK HYGIENIC PRACTICES:** Wash hands before eating and wash before reuse.

**OTHER USE PRECAUTIONS:** Emergency shower and eyewash facility should be in close proximity.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Low odor.

**APPEARANCE:** Gel-like.

**COLOR:** Pink/red.

**PERCENT VOLATILE:** 50

**SOLUBILITY IN WATER:** Insoluble

**DENSITY:** 1.0

**VISCOSITY:** 28000 to 30000 Centipoise

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

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## 10. STABILITY AND REACTIVITY

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Heat, flames, ignition sources, and incompatibles.

**STABILITY:** Stable.

**POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of Carbon (CO and CO<sub>2</sub>) may form when heated to decomposition.

**INCOMPATIBLE MATERIALS:** Oxidizing agents, alkalies and bases.

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## 11. TOXICOLOGICAL INFORMATION

<u>INGREDIENT(S)</u>	<u>ORAL LD<sub>50</sub> (rat)</u>	<u>DERMAL LD<sub>50</sub> (rabbit)</u>	<u>INHALATION LC<sub>50</sub> (rat)</u>
Pigment	> 5000 - mg/kg		> 5580 - ppm

Alkoxyated alkylphenol 5000 - mg/kg > 3000 - mg/kg

**ACUTE**

**EYES:** Not Available

**DERMAL LD<sub>50</sub>:** > 5000 mg/kg (rabbit)

**ORAL LD<sub>50</sub>:** 2330 mg/kg (rat)

**INHALATION LC<sub>50</sub>:** Not Available

Fumes/liquid -- Irritant

**EYE EFFECTS:** May be mildly irritating to eyes.

**SKIN EFFECTS:** Causes irritation to skin.

**CARCINOGENICITY:**

**IARC:** NOT listed

**NTP:** NOT listed

**OSHA:** NOT listed

**MUTAGENICITY:** Not Established

**REPRODUCTIVE EFFECTS:** Not Established

**TERATOGENIC EFFECTS:** Test results indicate this compound/mixture is not teratogenic.

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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Available

**ECOTOXICOLOGICAL INFORMATION:** Not Available

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## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Federal, State, and Local laws governing disposal of materials can differ. Ensure compliance with proper authorities before disposal.

**GENERAL COMMENTS:** Dispose of in a manner consistent with federal, state, and local regulations.

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## 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Nonhazardous

**UN/NA NUMBER:** NA

**PACKING GROUP:** NA

**ROAD AND RAIL (ADR/RID):**

**PROPER SHIPPING NAME:** Nonhazardous

**PACKING GROUP:** NA

**AIR (ICAO/IATA)**

**PROPER SHIPPING NAME:** Nonhazardous

**UN/NA NUMBER:** NA

**PACKING GROUP:** NA

**VESSEL (IMO/IMDG)**

**PROPER SHIPPING NAME:** Nonhazardous

**UN/NA NUMBER:** NA

**PACKING GROUP:** NA

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## 15. REGULATORY INFORMATION

### UNITED STATES

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

**313 REPORTABLE INGREDIENTS:** Not considered a SARA 313 "Toxic Chemical".

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** None of the ingredients are CERCLA/Superfund hazardous chemicals.

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** All components of this product are either listed or exempt from listing in the TSCA inventory.

**RCRA STATUS:** NOT listed

**OSHA HAZARD COMM. RULE:** Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**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.

### EUROPEAN COMMUNITY

**EEC LABEL SYMBOL AND CLASSIFICATION**

Currently not classified according to EEC Directives.

**CALIFORNIA PROPOSITION 65:** This product does not contain any chemicals known to the State of California to cause cancer.

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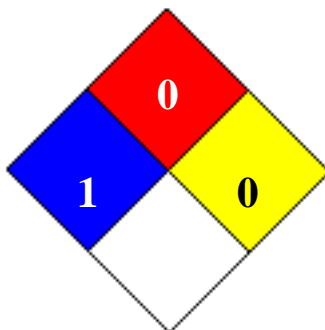
## 16. OTHER INFORMATION

**APPROVED BY:** Pierce A. Pillon      **TITLE:** Chemist

**PREPARED BY:** Steve Cook

**REVISION SUMMARY** Revision #: 7 This MSDS replaces the August 19, 2005 MSDS. Any changes in information are as follows: In Section 11 OSHA In Section 14 ADR/RID Hazard Class ADR/RID HI - Kemler Number ADR - Shipping Name ADR - Packing Group In Section 15 Chronic EEC Symbol Id. EEC Risk Phrase Codes

**NFPA CODES**



**DATA SOURCES:** Code of Federal Regulations (CFR) The Sigma-Aldrich Library of Regulatory and Safety Data OSHA Hazard Communication Standard (29CFR1910.1200) Various Federal, State and Local Regulations

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**GENERAL STATEMENTS:** Material manufactured after 18 August 2005 no longer contains the ingredient butyl benzyl phthalate (CAS# 85-68-7).