

MATERIAL SAFETY DATA SHEET



Date Issued: 11/21/2006

MSDS No: 2220-8SQ, G, 5G, 54G

Revision No: New MSDS

Wondermask P2

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Wondermask P2**PRODUCT DESCRIPTION:** Wave Solder Masking Agent**PRODUCT CODE:** 2220-8SQ, G, 5G, 54G**MANUFACTURER**

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

Emergency Contact: Chemtrec**Product Stewardship:** 1-800-858-4043**Service Number:** 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. HAZARDS IDENTIFICATION

HAZARD DESIGNATION**EEC LABEL SYMBOL AND CLASSIFICATION**

"Xi" - Irritant
R38 - Irritating to skin.

R43 - May cause sensitization by skin contact.

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.**SKIN ABSORPTION:** Skin absorption can occur.**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.**SKIN ABSORPTION:** Glycol ingredients can be absorbed into skin.**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.**CARCINOGENICITY:** 1,4-dioxane (CAS# 123-91-1, <0.00002%), Acetaldehyde (CAS# 75-07-0, <0.02%), and Formaldehyde (CAS# 50-00-0, <0.00001%) are Prop. 65 listed.

Vinyl acetate (CAS# 108-05-4, <0.05%) is IARC-listed as potential carcinogen. There is no evidence that vinyl acetate has caused cancer in humans.

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: Ethylene oxide CAS# 75-21-8 (<0.00003%) is Prop. 65 listed as a developmental toxicant.

COMMENTS: Product contains 5-chloro-2-methyl-4-isothiazolin-3-one (CAS# 26172-55-4, <0.02%) which results in Xi Irritant classification in Section 2.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Vinyl acetate, butyl acrylate polymer	45 - 55	25067-01-0	
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 - 3	97953-25-8	xxx-xxx-x
LECIITHIN	1 - 5	8029-76-3	232-440-6
Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-,	1 - 3	127087-87-0	
Benzyl 3-isobutyryloxy-1-isopropyl-2,2-dimethylpropyl phthalate	1 - 5	16883-83-3	

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.

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.

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.

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: Store above 4 C (40 F). DO NOT FREEZE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
EXPOSURE LIMITS							
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
2-Propenoic acid, telomer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and sodium hydrogen sulfite, sodium salt	TWA	NL ppm ^[1]	NL mg/m ³ ^[1]	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³
	STEL	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³	NL ppm	NL mg/m ³

OSHA TABLE COMMENTS:

1. 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: Gloves of the following materials may provide protection against permeation: Viton, solvex, Buna, Butyl, and 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Flash Point	Boiling Point (°C)	Freezing Point (°C)	Auto Ignition (°C)	Solubility in Water	Specific Gravity	Specific Volume
LECIITHIN					DISPERSIBLE	1.02	

PHYSICAL STATE: Liquid

ODOR: Low odor.

APPEARANCE: Gel-like.

COLOR: Lavender/violet

pH: 7.5 to 8.5

PERCENT VOLATILE: 38.7

VAPOR PRESSURE: NA = Not Applicable

VAPOR DENSITY: Not Applicable

BOILING POINT: Not Applicable

FREEZING POINT: (32°F)

SOLUBILITY IN WATER: Insoluble (cured product)

DENSITY: 1.07 at 25°C

VISCOSITY #1: 18500 to 21500 Centipoise at 25°C

(VOC): 81.300 g/L (non-exempt VOC)

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable.

POLYMERIZATION: Will not occur.

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

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon (CO and CO₂) may form when heated to decomposition.

INCOMPATIBLE MATERIALS: Oxidizing agents, alkalies and bases.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES:

Notes: Not Available

DERMAL LD₅₀: > 5000 mg/kg (rabbit)

ORAL LD₅₀: 2330 mg/kg (rat)

INHALATION LC₅₀:

Notes: Not Available

NOTES: Fumes/liquid -- Irritant

EYE EFFECTS: May be mildly irritating to eyes.

SKIN EFFECTS: Causes irritation to skin.

CARCINOGENICITY

IARC: Vinyl acetate (CAS# 108-05-4) is IARC-listed as Group 2B.

NTP: NOT listed

OSHA: NOT listed

Notes: Data available to IARC were too limited to determine carcinogenicity in humans. This product may contain small amounts of vinyl acetate.

REPRODUCTIVE EFFECTS: Not Established

TERATOGENIC EFFECTS: Ethylene oxide is listed as a developmental toxicant.

MUTAGENICITY: Not Established

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: There is limited information available on the environmental fate and effects of

this material. The primary environmental concern for release is the impact on aquatic and terrestrial species. Due care should be taken to avoid the accidental release of this material into the environment.

ECOTOXICOLOGICAL INFORMATION: Not Available

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.

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)

SHIPPING NAME: Nonhazardous

UN/NA NUMBER: NA

PACKING GROUP: NA

VESSEL (IMO/IMDG)

SHIPPING NAME: Nonhazardous

UN/NA NUMBER: NA

PACKING GROUP: NA

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Acetaldehyde (CAS# 75-07-0), Formaldehyde (CAS# 50-00-0), Vinyl acetate (CAS# 108-05-4), Ethylene oxide (CAS# 75-21-8), 1,4-dioxane (CAS# 123-91-1)

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Vinyl acetate CAS# 108-05-4)

THRESHOLD QUANTITY: 1000 Lbs.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Listed in table 302.4 of 40CFR Part 302 as a hazardous substance with a reportable quantity. Releases to air, land, or water which exceed the RQ must be reported to the national response center.

CERCLA RQ: Vinyl acetate (CAS# 108-05-4), RQ = 5000 Lbs.

Acetaldehyde (CAS# 75-07-0), RQ = 1000 Lbs.

Formaldehyde (CAS# 50-00-0), RQ = 100 Lbs.

1,4-dioxane (CAS# 123-91-1), RQ = 100 Lbs.

Ethylene oxide (CAS# 75-21-8), RQ = 10 Lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS	TSCA SECTION
2-Propenoic acid, telomer with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and sodium hydrogen sulfite, sodium salt	97953-25-8	

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

CALIFORNIA PROPOSITION 65: Ethylene oxide (CAS# 75-21-8, 0.00003%), 1,4-dioxane (CAS# 123-91-1, 0.00002%), Acetaldehyde (CAS# 75-07-0, <0.02%), and Formaldehyde (CAS# 50-00-0, <0.00001%) are Prop. 65 listed.

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

CLEAN WATER ACT: Acetaldehyde is listed under the Clean Water Act with an RQ of 1000 Lbs.

CARCINOGEN: NONE OF THE ABOVE LISTED COMPONENTS ARE INTENTIONALLY ADDED, BUT ARE BYPRODUCTS OF THE INGREDIENTS' MANUFACTURING PROCESS.

CANADA

WHMIS CLASS: Class D2B - Toxic Materials

EUROPEAN COMMUNITY

EEC LABEL SYMBOL AND CLASSIFICATION



"Xi" - Irritant
R38 - Irritating to skin.

R43 - May cause sensitization by skin contact.

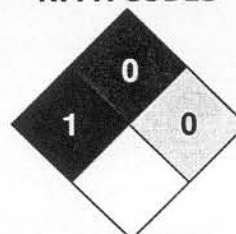
EUROPEAN COMMUNITY REGULATORY: The nonylphenol ethoxylate (NPE) surfactant in this product falls outside the marketing and use restrictions in 2003/53/EC (Annex) and is therefore allowed for use in the European Union.

16. OTHER INFORMATION

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

REVISION SUMMARY: New MSDS

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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