

## MATERIAL SAFETY DATA SHEET (MSDS)

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **QuakeBond™ PM Primer/Adhesive – Part A**

MFR'S NAME: QuakeWrap, Inc., 2055 E 17<sup>th</sup> St. Tucson, Az 85719

EMERGENCY PHONE: 800/535-5053 (Infotrac)

GENERAL INFORMATION: 866 QUAKWRAP (782-5397)

### Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS #	EXPOSURE LIMITS
Organic oil	<95	N.D.A.	N.E.
Glass fiber	<15	N.D.A	1 fiber per cc air; ACGIH

### Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: An organic oil mixture that could irritate the eyes or skin of some persons.

POTENTIAL HEALTH EFFECTS:

EYE:

- May irritate the eyes on contact. May cause mechanical damage (glass fibers).

SKIN:

- Might irritate skin of some persons.

INGESTION:

- May irritate the gastrointestinal tract.

INHALATION:

- Might irritate the respiratory tract.

CHRONIC EFFECTS:

- None known.

SIGNS & SYMPTOMS:

- Irritation, redness or itching of the exposed surfaces.

### Section 4: FIRST AID MEASURES

⇒USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS←

EYE:

- Flood with eyewash or water and get medical attention if irritation develops.

SKIN:

- Wash with soap and water and get medical attention if irritation develops.

INGESTION:

- Get medical attention.

INHALATION:

- Move victim to fresh air and if problems develop or persist provide breathing support and get medical attention.

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## Section 5: FIRE FIGHTING MEASURES

FLASH POINT: 229°C ( 445°F)      UEL/LEL: N.D.A      VAPOR DENSITY: N.D.A  
NFPA FLAMMABILITY RATING: not rated      AUTOIGNITION: N.D.A  
COMBUSTION PRODUCTS: CO, CO<sub>2</sub>, NO<sub>x</sub>, & misc. hydrocarbons  
SPECIAL HAZARDS: Burning may cause extra health and safety risks.  
EXTINGUISHING MEDIA: Use foam, CO<sub>2</sub>, dry chemical, or, for cooling containers, water fog.  
FIRE FIGHTER INSTRUCTIONS: Stay upwind. Wear at least full bunker gear and SCBA.

## Section 6: ACCIDENTAL RELEASE MEASURES

Contain, absorb with inert material, pick up and place in sealed containers.

## Section 7: HANDLING AND STORAGE

Wash thoroughly after handling. Never eat or smoke around product.

Store in original sealed containers in a cool, dry ventilated storage area.

## Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

GENERAL: Provide ventilation. Avoid eye and skin contact.

EYE/FACE: Safety glasses recommended.

SKIN: Chemical handling gloves

RESPIRATORY: If spray applied, provide full respiratory protection. NIOSH-approved supplied air or SCBA recommended. For brush or roller application, protection is not normally required.

OTHER: Wash thoroughly after handling. Never eat or smoke around product.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: pale yellow oily liquid      ODOR: fatty      PHYSICAL STATE: liquid  
pH: N.D.A      VAPOR PRESS: nil      VAPOR DENSITY: N.D.A      SPECIFIC GRAVITY: 0.96  
BOILING PT: N.D.A      MELT PT: N/A      SOLUBILITY IN H<sub>2</sub>O: nil

## Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is stable with no known conditions to avoid.

INCOMPATIBILITY: Avoid contact with strong oxidizing materials.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION: None known, other than Sec. 5's Combustion Products.

## Section 11: TOXICOLOGICAL INFORMATION

N.D.A

## Section 12: ECOLOGICAL INFORMATION

Oil in product is biodegradable.

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**Section 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with all applicable laws and regulations.

**Section 14: TRANSPORT INFORMATION**

DOT: Not Regulated

IATA: Not Regulated

**Section 15: REGULATORY INFORMATION**

OSHA HCS: not listed

DOT 172.101: not listed

CERCLA RQ: not listed

CLEAN AIR 112(b): not listed

TSCA: listed

STORMWATER RUNOFF: not listed

SARA 313: not listed

SARA TPQ: not listed

SARA PRIORITY (PC): not listed

CA PROP. 65: not listed.

RISK MGMT: not listed

RCRA Waste Number: none

VOC %: zero

**Section 16: OTHER INFORMATION**

NFPA: Not rated. Following are Air Logistics interpolations:

HEALTH 1

FIRE 1

REACTIVITY 0

OTHER N/A

ABBREVIATIONS: N/A = not applicable; N.D.A. = no data available; N.E. = not established

END OF MSDS

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## MATERIAL SAFETY DATA SHEET (MSDS)

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **QuakeBond™ PM Primer/Adhesive – Part B**

MFR'S NAME: QuakeWrap, Inc., 2055 E 17<sup>th</sup> St. Tucson, Az 85719

EMERGENCY PHONE: 800/535-5053 (Infotrac)

GENERAL INFORMATION: 866 QUAKWRAP (782-5397)

### Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

INGREDIENT	%	CAS #	EXPOSURE LIMITS
Polymeric MDI solutions	>80%	9016-87-9	N.E.

### Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Certain individuals are sensitized to MDI and may find this product irritating to the eyes, skin and respiratory tract, immediately or as a delayed reaction – possibly severe. Unprotected repeated or prolonged exposure may make some persons become sensitized.

POTENTIAL HEALTH EFFECTS:

EYE:

- Irritation.

SKIN:

- Irritation.

INGESTION:

- Ranges from GI irritation to (for sensitized or allergic persons) violent poisoning effect.

INHALATION:

- No effect to (for sensitized or allergic persons) severe breathing distress, up to physical collapse.

CHRONIC EFFECTS:

- Prolonged or repeated unprotected exposure can cause sensitization, which then would lead to that person having severe reactions to contact with this product.

SIGNS & SYMPTOMS:

- Irritation, redness, tightness in throat or chest, difficulty breathing, nausea, vomiting.

### Section 4: FIRST AID MEASURES

⇒USE APPROPRIATE BLOOD-BORNE PATHOGENS PROTECTIONS⇐

EYE:

- Flood with eyewash or water and get medical attention.

SKIN:

- Flood with water, followed by soap and water wash. If irritation develops, get medical attention.

INGESTION:

- Do NOT induce vomiting. Get emergency medical attention.

INHALATION:

- Move victim to fresh air. If breathing difficulty persists or develops, provide breathing support & get emergency medical attention.

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## Section 5: FIRE FIGHTING MEASURES

FLASH POINT: 203°C ( 397°F)      UEL/LEL: N.D.A      VAPOR DENSITY: heavier than air  
NFPA FLAMMABILITY RATING: N.D.A      AUTOIGNITION: 240°C ( 464°F)  
COMBUSTION PRODUCTS: HCN possible, plus CO, CO<sub>2</sub>, NO<sub>x</sub>, & misc. hydrocarbons  
SPECIAL HAZARDS: Burning will cause extra health and safety risks.  
EXTINGUISHING MEDIA: Reacts with water, possibly releasing heat and gas. Use CO<sub>2</sub>, dry chemical.  
FIRE FIGHTER INSTRUCTIONS: Stay upwind. Wear at least full bunker gear and SCBA.

## Section 6: ACCIDENTAL RELEASE MEASURES

Contain, absorb with inert material, pick up and place in UNSEALED containers. A decontaminating solution of water plus ½% detergent and 5% ammonium hydroxide may be used to wash contaminated surfaces. Allow this solution to dwell for at least 30 minutes before placing in UNSEALED disposal containers.

## Section 7: HANDLING AND STORAGE

Wash thoroughly after handling. Never eat or smoke around product.

Store in original sealed containers in a cool, dry ventilated storage area.

## Section 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

GENERAL: Provide excellent ventilation.  
EYE/FACE: Safety glasses, minimum. Goggles or face shield required if splashing possible.  
SKIN: Chemical handling gloves, minimum. Full skin protection required if splashing possible.  
RESPIRATORY: If excellent ventilation is not possible, at least NIOSH approved supplied-air or SCBA.  
OTHER: Do not wear contaminate clothing or footwear. Wash thoroughly after handling. Never eat or smoke around product.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: brown liquid      ODOR: slight      PHYSICAL STATE: liquid  
pH: N.D.A      VAPOR PRESS: 4 x 10<sup>6</sup> @ 20C      VAPOR DENSITY: 8.5      SPECIFIC GRAVITY: 1.24  
BOILING PT: N.D.A      MELT PT: N/A      SOLUBILITY IN H<sub>2</sub>O: reacts with water

## Section 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Material is stable but can be highly reactive when very hot.  
INCOMPATIBILITY: water, alcohol, amines, acids, bases.  
HAZARDOUS POLYMERIZATION: Might occur if hot and in contact with water, strong alkalis, tertiary amines and metal salt compounds.  
HAZARDOUS DECOMPOSITION: None known, other than Sec. 5's Combustion Products.

## Section 11: TOXICOLOGICAL INFORMATION

Oral LD50 (rat): >5,000 mg/kg; Inhalation LC50 (rat): 490 mg/m3 (respirable aerosol) 4 hours.

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**Section 12: ECOLOGICAL INFORMATION**

N.D.A

**Section 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with all applicable laws and regulations.

**Section 14: TRANSPORT INFORMATION**

DOT: Not Regulated in quantities under 5,000 lbs.  
IATA: Not Regulated

**Section 15: REGULATORY INFORMATION**

OSHA HCS: listed	DOT 172.101: not listed	CERCLA RQ: 6,000 lbs.
CLEAN AIR 112(b): not listed	TSCA: listed	STORMWATER RUNOFF: not listed
SARA 313: listed	SARA TPQ: N.D.A	SARA PRIORITY (PC): N.D.A
CA PROP. 65: not listed.	RISK MGMT: not listed	RCRA Waste Number: none
VOC %: zero	WHMIS: D-IA, D-2A, D-2B	CEPA (DSL): listed

**Section 16: OTHER INFORMATION**

NFPA: not rated. Following are Air Logistics interpolations:  
HEALTH 2      FIRE 1      REACTIVITY 2      OTHER No water

ABBREVIATIONS: N/A = not applicable; N.D.A. = no data available; N.E. = not established

END OF MSDS

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