

MATERIAL SAFETY DATA SHEET

Omega Products International, Inc.
P.O. Box 77220
Corona, CA 92877-0107
Emergency Phone: 951-737-7447 or 800-600-6634

March 7, 2013

Section I – Identity:

Epoxy Grout Part A

Section II – Hazardous Ingredients/Identity Information:

Hazardous Components: Reaction products Epichlorohydrin and Disphenol (CAS 25068-38-6)
OSHA PEL: ND **ACGIH TLV:** ND

Section III – Physical/Chemical Data:

Appearance and Odor: Grayish white viscous liquid/faint odor
Boiling Point: N/A
Melting Point: Liquid
Vapor Pressure: N/A
Vapor Density: N/A
Specific Gravity: 1.73
Solubility in Water: None
Evaporation Rate: N/A

Section IV – Fire and Explosion Hazard Data:

Flash Point: 485 F, pmcc
Flammable Limits: N/A
Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical
Special Fire Fighting Procedures: Use self contained breathing apparatus.
Unusual Fire and Explosion Hazards: Container can rupture if heat is excessive. Burning will produce fumes of Carbon Dioxide and Carbon Monoxide.

Section V – Health Hazard Data:

Primary Routes of Exposure:

Inhalation: NO **Skin:** YES **Ingestion:** NO

Health Hazards:

Acute: May cause temporary eye irritation upon contact. Prolonged exposure to skin may cause skin irritation. Single dose oral toxicity low (LD50 rats is > 400 mg/leg).

Chronic: Skin sensitization over repeated exposure.

Carcinogenicity:

NTP: NO **IARC Monographs:** NO **OSHA Regulated:** NO

Signs and Symptoms of Exposure: Reddening of eyes and skin.

Medical Conditions Aggravated by Exposure: May cause allergic skin reaction in susceptible individuals.

Emergency and First Aid Procedures:

Eyes: Irrigate immediately with water for at least 15 minutes.

Skin: Wash off in flowing water.

Ingestion: No adverse effects anticipated by this route of exposure, incidental to proper handling.

Section VI: Reactivity Data

Stability: Stable

Incompatibility: Bases

Hazardous Decomposition: Carbon Monoxide and Carbon Dioxide

Hazardous Polymerization: Will Not Occur By Itself. Masses of more than 1 lb. when contaminated with amines will cause irreversible polymerization with considerable heat build up.

Section VII – Precautions for Safe Handling and Use:

Released or Spilled: Soak up in absorbent material such as sand and collect in a suitable container. Residual resin may be moved using steam or hot soapy water. Keep spark-producing equipment away.

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Waste Disposal Method: Burn in adequate incinerator or burn in an approval landfill. Precautions to be taken in handling and storing. Store in cool dry place. Avoid heating container above 200 F.

Section VIII – Control Measures:

Respiratory Protection: No respiratory protection should be needed.

Ventilation:

Local Exhaust: Yes

Mechanical: N/A

Special: N/A

Other: N/A

Protective Gloves: Rubber recommended

Eye Protection: Tight fitting goggles in busy area

Other Protective Clothing: Barrier cream, boots and clothing should protect skin from contamination.

Work/Hygienic Practices: Practice good caution and personal cleanliness. Avoid skin and eye contact.

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Section I – Identity:

Epoxy Grout Part B

Section II – Hazardous Ingredients/Identity Information:

Hazardous Components: Aliphatic Polyamine
OSHA PEL: ND **ACGIH TLV:** ND

Section III – Physical/Chemical Data:

Appearance and Odor:	Colored* Liquid with Amine Odor
Boiling Point:	ND
Melting Point:	Liquid
Vapor Pressure:	ND
Vapor Density:	N/A
Specific Gravity:	0.950
Solubility in Water:	Slight
Evaporation Rate:	1 (ether = 1)

*Pigmented with one or more of the following:

Yellow Iron Oxide (CAS-51274-00-1)
Carbon Black (CAS-1333-86-4)
Ultra Marine Blue (CAS-57455-37-5)
Red Iron Oxide (CAS-1309-37-1)
Black Iron Oxide (CAS-1317-61-9)
Chromium Oxide (CAS-1308-38-9)
Metal Oxide Silicate (CAS-12713-03-0)

Section IV – Fire and Explosion Hazard Data:

Flash Point:	Set Flash > 259 F Pesky Martens Closed Cup
Flammable Limits:	ND
Extinguishing Media:	Water, Carbon Dioxide, Dry Chemical, Foam
Special Fire Fighting Procedures:	Fire Fighters should wear OSHA approved self contained breathing apparatus.
Unusual Fire and Explosion Hazards:	None as far as known.

Section V – Health Hazard Data:

Primary Routes of Exposure:

Inhalation: YES **Skin:** YES **Ingestion:** NO

Health Hazards:

Acute: Extremely irritating to eyes. Irritation to skin upon contact. Inhalation of vapor or mist can result in headache, nausea, and irritation to the nose, throat, and lungs.

Chronic: In test with rabbits the LD50 was greater than 15 g/kg and is considered to be relatively harmless. Dermatoxicity of product determined with rats is 6.5 g/kg.

Carcinogenicity:

NTP: NO **IARC Monographs:** NO **OSHA Regulated:** NO

Signs and Symptoms of Exposure: Reddening of eyes and skin upon inhalation of vapors.

Medical Conditions Aggravated by Exposure: Hypersensitive individuals may develop allergenic dermatitis

Emergency and First Aid Procedures: Flush eyes with large amounts of water. Wash skin thoroughly with soap and water. In case of accidental ingestion contact a physician.

Section VI: Reactivity Data

Stability:	Stable
Incompatibility:	Strong Oxidizing Agents

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Hazardous Decomposition: Carbon Monoxide, Oxides of Nitrogen, Carbon Dioxide. Burning dried material will result in dense black smoke.

Hazardous Polymerization: Will Not Occur

Section VII – Precautions for Safe Handling and Use:

Released or Spilled: Scoop up excess and dispose. Scrub area, with 5% acetic acid and rinse with hot water. Keep Spills and cleaning runoffs of municipal sewers and open bodies of water.

Waste Disposal Method: Approved landfill or incinerate.

Precautions to be taken in handling and storing: Keep container tightly closed, store in cool dry place.

Section VIII – Control Measures:

Respiratory Protection: No respiratory protection should be needed.

Ventilation:

Local Exhaust: Yes

Mechanical: N/A

Special: N/A

Other: N/A

Protective Gloves: Rubber recommended

Eye Protection: Tight fitting goggles in busy area

Other Protective Clothing: Barrier cream, boots and clothing should protect skin from dust and wet mortar.

Work/Hygienic Practices: Workers should shower with soap and water after working with epoxy mortar.

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Section I – Identity:

Epoxy Grout Part C

Section II – Hazardous Ingredients/Identity Information:

Hazardous Components: Silica Sand (CAS 01-4808-60-7)

OSHA PEL: 0.1 mg/m³ (respirable dust): **ACGIH TLV:** 0.1 mg/m³ (respirable dust)
0.3 mg/m³ (total dust)

Section III – Physical/Chemical Data:

Appearance and Odor:	Colored Granulars, No Odor
Boiling Point:	N/A
Melting Point:	ND
Vapor Pressure:	N/A
Vapor Density:	N/A
Specific Gravity:	2.5
Solubility in Water:	< 1%
Evaporation Rate:	N/A

Section IV – Fire and Explosion Hazard Data:

Flash Point:	N/A
Flammable Limits:	N/A
Extinguishing Media:	N/A
Special Fire Fighting Procedures:	N/A
Unusual Fire and Explosion Hazards:	N/A

Section V – Health Hazard Data:

Primary Routes of Exposure:

Inhalation: YES **Skin:** YES **Ingestion:** NO

Health Hazards:

Acute: Dust can irritate the eyes and upper respiratory system

Chronic: Dust can cause inflammation of interior of nose and eyes. Prolonged exposure to dust over the TLV may cause scarring of lungs and delayed lung injury (silicosis).

Carcinogenicity:

NTP: NO **IARC Monographs:** YES **OSHA Regulated:** NO

This product itself is not regulated but it contains small amount of naturally occurring crystalline silica. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemical to humans (volume 42, 1987) concludes that there is sufficient evidence for the Carcinogenicity of crystalline silica to experimental animals and that there is a limited evidence of the Carcinogenicity of crystalline silica to humans. IARC Class 2A.

Signs and Symptoms of Exposure: Shortness of breath, coughing, reddening of eyes

Medical Conditions Aggravated by Exposure: Hypersensitive individuals may develop allergic dermatitis

Emergency and First Aid Procedures: Irrigate eyes with water, wash exposed skin areas with water, remove patient to fresh air. If accidentally ingested mortar may set and cause bowel obstruction – consult a physician.

Section VI: Reactivity Data

Stability:	Stable
Incompatibility:	Stable
Hazardous Decomposition:	Will Not Occur
Hazardous Polymerization:	Will Not Occur

Section VII – Precautions for Safe Handling and Use:

Released or Spilled: Collect spills using dustless method, material can be returned to container for later use, wear OSHA approved respirator for silica dust when cleaning area.

Waste Disposal Method: Mortar can be disposed of as common waste, unrestricted sanitary land fill.

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Precautions to be taken in handling and storing: Eliminate exposure to dust, use OSHA approved mask for silica dust, if freshly mixed gets into eyes or contacts skin – flush immediately and repeatedly with water and contact a physician immediately.

Section VIII – Control Measures:

Respiratory Protection: NIOSH approved disposable dust mask if PEL is exceeded.

Ventilation:

Local Exhaust: Yes

Mechanical: N/A

Special: N/A

Other: N/A

Protective Gloves: Rubber recommended

Eye Protection: Tight fitting goggles in busy area

Other Protective Clothing: Barrier cream, boots and clothing should protect skin from dust. Workers should shower

Work/Hygienic Practices: Workers should shower with soap and water after working with material

Omegas Products International, Inc., as a blender of processed material in the State of California, is required by Proposition 65 to warn that one or more of the components contained in this product could contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. The State of California (Proposition 65) requires this warning in the absence of definitive testing to prove that the defined risks do not exist. We believe this product complies with all other applicable state and federal laws and regulations governing manufacture, distribution and intended use.

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