



Palmer SuperSet Mirro-Mastic®

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Date of issue: 02/10/2016

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Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Palmer SuperSet Mirro-Mastic®

Product code: Not available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Adhesive

1.3. Details of the supplier of the safety data sheet

Palmer Products Corporation
146 St. Matthews Avenue
Louisville, KY 40207 - USA
T 502.893.3668
palmer@mirro-mastic.com

1.4. Emergency telephone number

Medical Emergency Phone Number: (CHEMTREC): 1-800-424-9300 (24 Hours)

Transport Emergency Phone Number: (CHEMTREC): 1-800-424-9300 (24 Hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Sens. 1

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



GHS07

Signal word (GHS-US)

: Warning

Hazard statements (GHS-US)

: Causes serious eye irritation

Precautionary statements (GHS-US)

: Wear protective gloves/protection/face protection; Wash face, hands and any exposed skin thoroughly after handling; wear eye/face protection. If in eyes: Rinse cautiously with water for several minutes; Remove contact lenses, if present and easy to do; continue rinsing; if eye irritation persists; Get medical advice/attention

2.3. Other information

May be harmful in contact with skin

2.4. Unknown acute toxicity (GHS US)

63.38% of the mixture consists of ingredients(s) of unknown toxicity

SECTION 3: Composition/information on ingredients

3.1. Substance

Mixture

Palmer SuperSet Mirro-Mastic®

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

3.2. Mixture

Name	Product identifier	%
Limestone	(CAS No) 1317-65-3	10 - 30
Kaolin	(CAS No) 1332-58-7	3 - 7
Calcium Carbonate	(CAS No) 471-34-1	15 - 40

* The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	:If breathing is difficult, remove victim to fresh air. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	:In case of contact, immediately wash with soap and water.
First-aid measures after eye contact	:In case of contact, rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention.
First-aid measures after ingestion	:Rinse mouth immediately and drink plenty of water: Never give anything by mouth to an unconscious person. DO NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	CAUTION: Use of water spray when fighting fire may be inefficient.

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products	:Carbon oxides.
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5.3. Advice for firefighters

Protection during firefighting	: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/HIOSH (approved or equivalent) and full protective gear.
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Palmer SuperSet Mirro-Mastic®

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Methods and material for containment and cleaning up

For containment : Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Methods for cleaning up : Scoop up material and place in a disposal container.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store away from heat. Store in a cool, dry, place away from incompatible materials.

Incompatible materials : Amines.

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Calcium Carbonate (471-34-1)		
ACGIH	Not applicable	
OSHA	Not applicable	
CMRG	CMRG TWA (mg/m ³)	10 mg/m ³
CMRG	CMRG STEL (mg/m ³)	20 mg/m ³

Alkoxysilyl Polyether Prepolymer (TRADE SECRET)	
ACGIH	Not applicable
OSHA	Not applicable

Alkoxysilyl Polyether Prepolymer (TRADE SECRET)	
ACGIH	Not applicable
OSHA	Not applicable

Calcium oxide (1305-78-8)		
ACGIH	ACGIH TWA (mg/m ³)	2 mg/m ³

Palmer SuperSet Mirro-Mastic®

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³
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Dimethyl silicone polymer with silica (67762-90-7)

ACGIH	Not applicable	
OSHA	Not applicable	
CMRG	CEIL (mg/m ³)	5 mg/m ³

Titanium dioxide (13463-67-7)

ACGIH	ACGIH TWA (mg/m ³)	10 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust)

Vinyltrimethoxysilane (2768-02-7)

ACGIH	Not applicable	
OSHA	Not applicable	

Calcium hydroxide (1305-62-0)

ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)

N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)

ACGIH	Not applicable	
OSHA	Not applicable	

Dioctyltinbix(acetylacetonate) (54068-28-9)

ACGIH	Not applicable	
OSHA	Not applicable	

8.2. Exposure controls

Appropriate engineering controls	: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
Hand protection	: Wear suitable gloves.
Eye protection	: Safety glasses or goggles are recommended when using product. Wear eye/face protection.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls	: Maintain levels below Community environmental protection thresholds.
Other information	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

Palmer SuperSet Mirro-Mastic ®

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	
		Paste
Colour	:	White
Odour	:	
		Slight odor
Odour threshold	:	
		No data available
pH	:	
		No data available
Melting point	:	
		No data available
Freezing point	:	
		No data available
Boiling point	:	
		> 248 °F (> 120 °C)
Flash point	:	
		No data available
Relative evaporation rate (butylacetate=1)	:	
		No data available
Flammability (solid, gas)	:	
		Not flammable
Explosive limits	:	
		LEL: 0.7 vol %; UEL: 30 % vol %
Explosive properties	:	
		No data available
Oxidising properties	:	
		No data available
Vapour pressure	:	
		No data available
Relative density (Water = 1)	:	
		1.56
Relative vapour density at 20 °C	:	
		No data available
Density	:	
		1.56 g/cm ³
Solubility	:	Negligible
Partition coefficient: n-octanol/water	:	
		No data available
Auto-ignition temperature	:	
		No data available
Decomposition temperature	:	
		No data available
Viscosity	:	
		No data available
Viscosity, kinematic	:	
		No data available

Palmer SuperSet Mirro-Mastic®

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Viscosity, dynamic :
No data available

9.2. Other information

VOC content : <= 31 g/l (tested per EPA method 24)

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal storage conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Heat. Incompatible materials.

10.5. Incompatible materials

Alcohols. Water. Amines.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified.

Palmer SuperSet Mirro-Mastic®

LD50 oral rat	> 5000 mg/kg (Calculated using ATE values)
LD50 dermal rabbit	No data available
LC50 inhalation rat	No data available

Calcium Carbonate (471-34-1)

LD50 oral rat	6450 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	3 mg/l/4h

Plasticizer (TRADE SECRET)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 1000 mg/kg

Palmer SuperSet Mirro-Mastic®

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Calcium oxide (1305-78-8)

LD50 oral rat	> 2500 mg/kg
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Titanium dioxide (13463-67-7)

LD50 oral rat	> 10000 mg/kg
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Vinyltrimethoxysilane (2768-02-7)

LD50 oral rat	7120 mg/kg
LD50 dermal rabbit	3260 mg/kg
LC50 inhalation rat	16.8 mg/l/4h

Calcium hydroxide (1305-62-0)

LD50 oral rat	7340 mg/kg
LD50 dermal rabbit	> 2500 mg/kg

N-[3-(Trimethoxysilyl)propyl]-1,2-ethanediamine (1760-24-3)

LD50 oral rat	1897 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 1.49, < 2.44 mg/l/4h

Skin corrosion/irritation	: Based on available data, the classification criteria are not met.
Serious eye damage/irritation	: Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Based on available data, the classification criteria are not met.
Carcinogenicity	: Based on available data, the classification criteria are not met.

Titanium dioxide (13463-67-7)

IARC group	2B - Possibly carcinogenic to humans
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Reproductive toxicity	: Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	: Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation	: May cause respiratory tract irritation.
Symptoms/injuries after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause an allergic skin reaction.

Palmer SuperSet Mirro-Mastic®

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Palmer SuperSet Mirro-Mastic®	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Palmer SuperSet Mirro-Mastic®	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

: Do not handle until all safety precautions have been read and understood.

Special transport precautions

SECTION 15: Regulatory information

Palmer SuperSet Mirro-Mastic®

Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

Diocetyl tinbix(acetylacetonate)	CAS No 54068-28-9
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15.2. US State regulations

Palmer SuperSet Mirro-Mastic®

State or local regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm
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SECTION 16: Other information

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