



SAFETY DATA SHEET

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

1.1. Product identifier

Product Name : Palmer SuperSet Mirro-Mastic®
CRL Catalog Number : PM290

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@mirromastic.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

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye Irritation: 2A

Appearance: Varies

Physical State: Paste Liquid

Odor: Mint-like

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) - Prevention

: Wear protective gloves/protective clothing/eye 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 hazards

No additional information available

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

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 exact percentage (concentration) of composition has been withheld as a trade secret..

SECTION 4: First aid measures**General Advice: Show this safety data sheet to the doctor in attendance.****4.1. Description of first aid measures**

First-aid measures after eye contact	: In case of contact, immediately rinse 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. Remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: In case of contact, wash immediately with soap and water.
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. Call a physician.

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 surrounding environment
Unsuitable extinguishing media	: CAUTION: Use of water spray when fighting fire may be inefficient

5.2. Special hazards arising from the Chemical

No Information available

Uniform Fire Code Irritant: Liquid

5.3. Hazard Combustion Products

Carbon oxides

5.4. Explosion Data

Sensitivity to Mechanical Impact: No

Sensitivity to Static Discharge: No

5.5. Protective equipment and precautions for firefighters

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

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

6.2. Other Information

Refer to protective measures listed in Sections 7 and 8.

6.3. Environmental Precautions

Refer to protective measures listed in Section 7 and 8.

6.4. Methods and material for containment and cleaning up

For containment	: Prevent further leakage or spillage if safe to do so. Use appropriate Personal Protective
Methods for cleaning up	: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

7.2. Precautions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Incompatible Products

None known based on information supplied

SECTION 8: Exposure controls/personal protection

Exposure Guidelines

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region of which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

8.1. Control parameters

Calcium Carbonate (471-34-1)	
ACGIH TLV	-
OSHA PEL	TWA: 15 (mg/m ³) TWA: 5 (mg/m ³) (vacated) TWA: 15 (mg/m ³) (vacated) TWA: 5 (mg/m ³)
NIOSH IDLH	TWA: 5 (mg/m ³) respirable dust TWA: 10 (mg/m ³) total dust
Limestone (1317-65-3)	
ACGIH TLV	-
OSHA PEL	TWA: 15 (mg/m ³) TWA: 5 (mg/m ³) (vacated) TWA: 15 (mg/m ³) (vacated) TWA: 5 (mg/m ³)
NIOSH IDLH	TWA: 5 (mg/m ³) respirable dust TWA: 10 (mg/m ³) total dust
Kaolin (1332-58-7)	
ACGIH TLV	TWA: 2(mg/m ³) particulate matter containing no asbestos and <1% crystalline silica, respirable fraction
OSHA PEL	TWA: 15(mg/m ³) total dust TWA: 5(mg/m ³) Respirable fraction (vacated) TWA: 10 (mg/m ³) total dust (vacated) TWA: 5 (mg/m ³) respirable fraction
NIOSH IDLH	TWA: 10 (mg/m ³) total dust TWA: 5 (mg/m ³) respirable fraction

ACGIH TLV: American Conference of Governmental Industrial Hygienists – Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration – Permissible Exposure Limits Immediately Dangerous to Life or Health

8.2. Exposure controls

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1002)

Appropriate engineering controls	: Showers, eyewash stations, ventilation systems. Individual protection measures, such as personal protective equipment
Eye/Face protection	: if splashes are likely to occur, wear safety glasses with sides shields (or goggles). None required for consumer use.
Skin and body protection	: Wear protective gloves and protective clothing.
Respiratory protection	: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form: Paste, Liquid
 Color: Varies
 Odor: Mint-like
 Odor Threshold: No information available
 Appearance: Varies

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
pH	UNKNOWN	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	1.57	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	None known
Oxidizing Properties	No data available	
Other Information		
Softening Point	No data available	
VOC Content (g/L)	9	
Particle Size	No data available	
Particle Size Distribution	No data available	

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Hazardous Polymerization

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Moisture

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information**11.1. Product Information**

Inhalation	: Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye Contact	: Specific test data for the substance or mixture is not available. Causes serious eye irritation (based on components). May cause redness, itching and pain.
Skin Contact	: Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion	: Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Calcium Carbonate (471-34-1)

LD50 Oral (rat)	6450 mg/kg
LD50 Dermal	-
LC50 Inhalation	-

Information on toxicological effects

Symptoms: May cause redness and tearing of the eyes

Delayed and immediate effects as well as chronic effects from sort and long-term exposure

Sensitization: No Information available.

Mutagenic Effects: No information available.

Carcinogenicity: contains no ingredients listed as a carcinogen

Reproductive Toxicity

STOT - single exposure : No information available

STOT - repeated exposure : No information available

Chronic Toxicity

No known effect based on information supplied. Bentonite contains naturally occurring crystalline silica. Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARA) as a known human carcinogen (Group 1). This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Target Organ Effects

Eyes. Skin. Respiratory system.

Aspiration Hazard

No information available.

11.2. Numerical measures of toxicity

The following values are calculated based on chapter 3.1 or the GHS document

ATEmix (oral) = 6,973.00 mg/kg

SECTION 12: Ecological information**12.1. Ecotoxicity**

The environmental impact of this product has not been fully investigated.

12.2. Persistence and Degradability

No Information available.

12.3. Bioaccumulation

No Information available.

12.4. Other adverse effects

No Information available.

SECTION 13: Disposal considerations**13.1. Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional or local regulations for additional requirements.

13.2. Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport Information

<u>DOT</u>	NOT REGULATED Proper Shipping Name: NON REGULATED Hazard Class: N/A
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated Proper Shipping Name: NON REGULATED Hazard Class: N/A
<u>IMDG/IMO</u>	Not regulated Hazard Class N/A
<u>RID</u>	Not regulated
<u>ADR</u>	Not regulated
<u>ADN</u>	Not regulated

SECTION 15: Regulatory Information**15.1. International Inventories**

<u>TSCA</u>	Not determined
<u>DSL</u>	Not determined
<u>TSCA</u>	United States Toxic Substances Control Act Section 8(b) Inventory
<u>DSL/NDL</u>	Canadian Domestic Substances List/Non-Domestic Substances Lis

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:

15.2. US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes
 Chronic Health Hazard: No
 Fire Hazard: No
 Sudden release of pressure hazard: No
 Reactive Hazard: No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

None reportable

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Calcium Carbonate CAS# 471-34-1	X				
Limestone CAS# 1317-65-3	X	X	X		
Kaolin CAS# 1332-58-7	X	X	X		

International Regulations**Mexico**

Component	Carcinogen Status	Exposure Limits
Calcium Carbonate CAS# 471-34-1		Mexico: TWA=10 mg/m ³ Mexico: STEL=20 mg/m ³
Limestone CASE# 1317-65-3		Mexico: TWA=10 mg/m ³ Mexico: STEL=20 mg/m ³
Kaolin CAS# 1332-58-7		Mexico: TWA=10 mg/m ³ Mexico: STEL=20 mg/m ³

Mexico – Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class: Not determined

SECTION 16: Other information**NFPA**

Health Hazards: 2
 Flammability: 0
 Instability: 0
 Physical/Chemical Haz. -

HMS

Health Hazards:	2*
Flammability:	0
Physical Hazard:	0
Personal Protection:	X

Chronic Hazard Star Legend* = Chronic Health Hazard

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