



Material Safety Data Sheet

Material Name: Ker 909

ID: SAH00333

*** Section 1 - Chemical Product and Company Identification ***

Material Name: Ker 909

Product Use

Adhesive

Manufacturer Information

USA and Puerto Rico

MAPEI

1144 East Newport Center Drive

Deerfield Beach, FL 33442

Phone: 1-954-246-8888

Canada

MAPEI

2900 Francis-Hughes Avenue

Laval, QC H7L 3J5

Phone: 1-450-662-1212

IN THE EVENT OF A CHEMICAL EMERGENCY INVOLVING A SPILL, LEAK, FIRE, EXPLOSION, EXPOSURE OR ACCIDENT, CONTACT THE FOLLOWING NUMBERS:

Emergency 24 hour numbers:

(USA) CHEMTREC 1-800-424-9300

(Canada) CANUTEC 1-631-996-6666

*** Section 2 - Hazards Identification ***

Emergency Overview

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). This product is irritating to the eyes, respiratory system and skin.

Hazard Statements

CAUTION! IRRITANT. Irritating to eyes, respiratory system and skin. May be harmful or fatal if swallowed. Vapor harmful. Wear suitable gloves, eye/face protection, and respiratory protection. Keep out of the reach of children.

Potential Health Effects: Eyes

This product is irritating to the eyes.

Potential Health Effects: Skin

This product is irritating to the skin.

Potential Health Effects: Ingestion

This product may be harmful or fatal if swallowed. Ingestion of this product may cause nausea, vomiting and diarrhea.

Potential Health Effects: Inhalation

This product is irritating to the respiratory system.

Medical Conditions Aggravated by Exposure

Hypersensitivity to product, allergies, and skin or respiratory disorders

Potential Environmental Effects

None identified.

HMIS Ratings: Health: 2* Fire: 1 Reactivity: 0 Pers. Prot.: Safety glasses, gloves, NIOSH respirator if airborne concentrations exceed exposure limits

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

CAS #	Component	Percent
1317-65-3	Limestone	40-70
25586-20-3	Styrene acrylic polymer	3-7
31069-81-5	Acrylic polymer	1-5
8052-41-3	Petroleum solvent	0.5-1.5

Material Safety Data Sheet

Material Name: Ker 909

ID: SAH00333

107-21-1	Ethylene glycol	0.5-1.5
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Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Alcohols, n.o.s..

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

First Aid: Skin

For skin contact, flush with large amounts of water. If irritation persists, get medical attention.

First Aid: Ingestion

For ingestion, flush out mouth with water. If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. If the affected person is not breathing, apply artificial respiration. If symptoms persist, get medical attention.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

See Section 9 for Flammability Properties.
This product is combustible at high temperatures.

Hazardous Combustion Products

Irritating and toxic gases or fumes may be released during a fire. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Extinguishing Media

Dry chemical (preferred), foam, water.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 2 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Personal Precautions

Wear appropriate protective equipment and clothing during clean-up.

Containment Procedures

Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Scoop up used absorbent into drums or other appropriate container.

Environmental Precautions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Clean-Up Procedures

Attempt to reclaim the free product, if this is possible. Shovel the material into waste container. Thoroughly wash the area with water after a spill or leak clean-up. Keep out of the reach of children.

Evacuation Procedures

None identified.

Special Procedures

Regulations vary. Consult local authorities before disposal.

Material Safety Data Sheet

Material Name: Ker 909

ID: SAH00333

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid getting this material into contact with your skin and eyes. Avoid breathing vapors or mists of this product. Wash hands after handling and before eating. Keep out of the reach of children.

Storage Procedures

Store in a cool, dry, well-ventilated area. Store at ambient temperature and atmospheric pressure. Keep out of sun.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

Limestone (1317-65-3)

OSHA (Final):	15 mg/m3 TWA total dust; 5 mg/m3 TWA respirable fraction
NIOSH:	10 mg/m3 TWA total dust; 5 mg/m3 TWA respirable dust
Alberta:	10 mg/m3 TWA
British Columbia:	10 mg/m3 TWA total dust; 3 mg/m3 TWA respirable fraction 20 mg/m3 STEL total dust
New Brunswick:	10 mg/m3 TWA particulate matter containing no asbestos and < 1% crystalline silica
NW Territories:	5 mg/m3 TWA respirable mass; 10 mg/m3 TWA total mass
Nunavut:	5 mg/m3 TWA respirable mass; 10 mg/m3 TWA total mass
Quebec:	10 mg/m3 TWA EV total dust, containing no asbestos and less than 1% crystalline silica
Saskatchewan:	10 mg/m3 TWA 20 mg/m3 STEL
Yukon:	30 mppcf TWA; 10 mg/m3 TWA 20 mg/m3 STEL

Ethylene glycol (107-21-1)

ACGIH:	100 mg/m3 Ceiling aerosol only
Alberta:	100 mg/m3 Ceiling
British Columbia:	10 mg/m3 TWA particulate 20 mg/m3 STEL particulate 100 mg/m3 Ceiling aerosol; 50 ppm Ceiling vapour
Manitoba:	100 mg/m3 Ceiling aerosol only
New Brunswick:	100 mg/m3 Ceiling aerosol
NW Territories:	10 ppm TWA particulate 20 mg/m3 STEL particulate 50 ppm Ceiling vapour; 127 mg/m3 Ceiling vapour
Nova Scotia:	100 mg/m3 Ceiling aerosol only
Nunavut:	10 mg/m3 TWA particulate 20 mg/m3 STEL particulate 50 ppm Ceiling vapour; 127 mg/m3 Ceiling vapour
Ontario:	100 mg/m3 CEV
Quebec:	50 ppm Ceiling mist and vapour; 127 mg/m3 Ceiling mist and vapour
Saskatchewan:	100 mg/m3 Ceiling aerosol
Yukon:	10 mg/m3 TWA (particulate); 100 ppm TWA (vapour); 250 mg/m3 TWA (vapour) 10 ppm STEL (particulate); 20 mg/m3 STEL (particulate); 125 ppm STEL (vapour); 325 mg/m3 STEL (vapour)

Material Safety Data Sheet

Material Name: Ker 909

ID: SAH00333

Petroleum solvent (8052-41-3)

ACGIH:	100 ppm TWA
OSHA (Final):	500 ppm TWA; 2900 mg/m3 TWA
NIOSH:	350 mg/m3 TWA 1800 mg/m3 Ceiling 15 min
Alberta:	100 ppm TWA; 572 mg/m3 TWA
British Columbia:	290 mg/m3 TWA 580 mg/m3 STEL
Manitoba:	100 ppm TWA
New Brunswick:	100 ppm TWA; 525 mg/m3 TWA
NW Territories:	100 ppm TWA; 575 mg/m3 TWA 125 ppm STEL; 720 mg/m3 STEL
Nova Scotia:	100 ppm TWA
Nunavut:	100 ppm TWA; 575 mg/m3 TWA 125 ppm STEL; 720 mg/m3 STEL
Ontario:	525 mg/m3 TWAEV
Quebec:	100 ppm TWAEV; 525 mg/m3 TWAEV
Saskatchewan:	100 ppm TWA 125 ppm STEL
Yukon:	100 ppm TWA; 575 mg/m3 TWA 150 ppm STEL; 720 mg/m3 STEL

Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear safety glasses with side shields.

Personal Protective Equipment: Skin

The use of nitrile-latex gloves is recommended.

Personal Protective Equipment: Respiratory

Not normally needed. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: General

Laundry contaminated clothing before reuse. Use good industrial hygiene practices in handling this material.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance:	Beige paste	Odor:	Slight latex odor
Physical State:	Paste	pH:	N/A
Vapor Pressure:	1.0	Vapor Density:	1.0
Boiling Point:	>212° F (>100° C)	Melting Point:	N/A
Solubility (H2O):	Soluble	Specific Gravity:	1.00 - 1.30
Evaporation Rate:	Same as water	VOC:	59 g/L
Octanol/H2O Coeff.:	N/A	Flash Point:	158° F (70° C)
Flash Point Method:	CC	Upper Flammability Limit (UFL):	N/A
Lower Flammability Limit (LFL):	N/A	Burning Rate:	N/A
Auto Ignition:	N/A		

Physical Properties: Additional Information

The data provided in this section is to be used for product safety handling purposes. Please refer to Product Data Sheets, Certificates of Conformity or Certificates of Analysis for chemical and physical data for determinations of quality and for formulation purposes.

Material Safety Data Sheet

Material Name: Ker 909

ID: SAH00333

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Do not freeze.

Incompatibility

This product may react with strong acids, bases and oxidizing agents.

Hazardous Decomposition

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Upon decomposition, this product may emit fumes of carbon monoxide, carbon dioxide, oxides of nitrogen, and other organic compounds.

Possibility of Hazardous Reactions

Will not occur.

*** Section 11 - Toxicological Information ***

Acute Dose Effects

A: General Product Information

No information available for the product.

B: Component Analysis - LD50/LC50

Ethylene glycol (107-21-1)

Oral LD50 Rat 4000 mg/kg; Dermal LD50 Rabbit 9530 µL/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Ethylene glycol (107-21-1)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

Sensitization

No information available for the product.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available for the product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethylene glycol (107-21-1)

Test & Species		Conditions
96 Hr LC50 Oncorhynchus mykiss	41000 mg/L	
96 Hr LC50 Oncorhynchus mykiss	14-18 ml/L	[static]
96 Hr LC50 Lepomis macrochirus	27540 mg/L	[static]
96 Hr LC50 Oncorhynchus mykiss	40761 mg/L	[static]
96 Hr LC50 Pimephales promelas	40000-60000 mg/L	[static]
96 Hr LC50 Poecilia reticulata	16000 mg/L	[static]
96 Hr EC50 Pseudokirchneriella subcapitata	6500 - 13000 mg/L	
48 Hr EC50 Daphnia magna	46300 mg/L	

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

No additional information available.

Material Safety Data Sheet

Material Name: Ker 909

ID: SAH00333

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Waste must be handled in accordance with all federal, state, provincial, and local regulations. Consult authorities before disposal.

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

*** Section 14 - Transportation Information ***

International Transportation Regulations

Not regulated as dangerous goods.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

All components are on the U.S. EPA TSCA Inventory List. All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List unless otherwise noted.

B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Ethylene glycol (107-21-1)

SARA 313:	1.0 % de minimis concentration
CERCLA:	5000 lb final RQ; 2270 kg final RQ

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

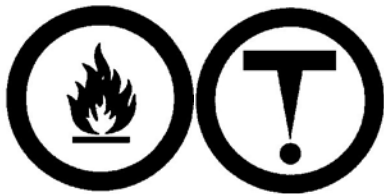
The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Limestone	1317-65-3	No	Yes	Yes	Yes	Yes	Yes
Ethylene glycol	107-21-1	Yes	Yes	Yes	Yes	Yes	Yes
Petroleum solvent	8052-41-3	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause cancer.

Canadian WHMIS Information

A: General Product Information



B: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Ethylene glycol	107-21-1	1 %
Petroleum solvent	8052-41-3	1 %

Additional Regulatory Information

A: General Product Information

Supplier(s) of proprietary component(s) state that these components are contained on the TSCA inventory.

Material Safety Data Sheet

Material Name: Ker 909

ID: SAH00333

B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Limestone	1317-65-3	Yes	NDSL	EINECS
Styrene acrylic polymer	25586-20-3	Yes	DSL	No
Acrylic polymer	31069-81-5	Yes	DSL	No
Ethylene glycol	107-21-1	Yes	DSL	EINECS
Petroleum solvent	8052-41-3	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Reference

Q1-4293-02

Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. The information herein is presented in good faith and believed to be accurate as of the effective date given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Key/Legend

NA = Not available or Not Applicable. ACGIH = American Conference of Governmental Industrial Hygienists. NFPA = National Fire Protection Association. EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

Contact: Product Safety Specialist

Contact Phone: 1-954-246-8888

End of Sheet SAH00333