Material Safety Data Sheet

Material Name: ULTRABOND 385 **ID: SAH00270**

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

Material Name: ULTRABOND 385

Product Use

Sealer

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 has been evaluated using criteria specified in 29CFR 1910.1200 (Hazard Communication Standard). Extremely flammable; material will readily ignite at normal temperatures. This product is irritating to the eyes.

Hazard Statements

DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR - VAPOR MAY CAUSE FLASH FIRE. IRRITANT. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED. Irritating to eyes. Vapor accumulation can flash or explode when ignited. 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. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Potential Health Effects: Skin

Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

Potential Health Effects: Ingestion

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Potential Health Effects: Inhalation

Excessive inhalation of this material causes headache, dizziness, nausea and incoordination. This product is an asphyxiant gas which can cause unconsciousness/death if OXYGEN levels are sufficiently reduced.

Medical Conditions Aggravated by Exposure

Hypersensitivity to product, allergies, and skin or respiratory disorders

Potential Environmental Effects

No information available for the product.

HMIS Ratings: Health: 2 **Fire:** 3 **Reactivity:** 0 **Pers. Prot.:** Safety glasses, gloves, synthetic apron, vapor 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
1332-58-7	Kaolin	10-30
110-54-3	Hexane	10-30

64742-49-0	Naphtha, petroleum, hydrotreated light	10-30
Proprietary	Hydrocarbon resin	10-30
64742-94-5	Naphtha (petroleum), heavy aromatic	5-10
9003-55-8	Elastomeric Copolymer	1-5
64742-04-7	Extracts, petroleum, heavy paraffinic distillate solvent	1-5
Proprietary	Styrene/butadiene copolymer	1-5
Proprietary	Proprietary Additive	1-5

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

First Aid: Eyes

Get medical attention or advice. In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes.

First Aid: Skin

Get medical attention or advice. For skin contact flush with large amounts of water.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice.

First Aid: Inhalation

Get medical attention or advice. If inhaled, immediately remove the affected person to fresh air. If the affected person is not breathing, apply artificial respiration.

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.

Extremely dangerous fire and explosion hazard. Vapors may be ignited by flame, sparks or contact with any hot surface (light bulb or steam pipes) under normal atmospheric conditions. Forms explosive mixtures with air. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.

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

Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

NFPA Ratings: Health: 2 **Fire:** 3 **Reactivity:** 0

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

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

Personal Precautions

Eliminate ignition sources including sources of electrical, static or frictional sparks.

Containment Procedures

Contain the discharged material.

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. Thoroughly wash the area with water after a spill or leak clean-up. Wear appropriate protective equipment and clothing during clean-up. Keep out of the reach of children.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

Special Procedures

Wear appropriate protective equipment and clothing during clean-up.

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

Handling Procedures

Keep this product from heat, sparks, or open flame. Use only in well ventilated areas. Avoid breathing vapors or mists of this product. Avoid getting this material into contact with your skin and eyes. Keep out of the reach of children.

Storage Procedures

Do not handle or store near an open flame, heat or other sources of ignition. Store in a cool, dry, well-ventilated area. Keep the container tightly closed.

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

A: Component Exposure Limits

Kaolin (1332-58-7)

ACGIH:	2 mg/m3 TWA respirable fraction, particulate matter containing no asbestos and <1% crystalline silica
OSHA:	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:	2 mg/m3 TWA (respirable)
British Columbia:	2 mg/m3 TWA particulate particulate matter containing no asbestos and less than 1% crystalline silica
Manitoba:	2 mg/m3 TWA respirable fraction particulate matter containing no asbestos and <1% crystalline silica
New Brunswick:	2 mg/m3 TWA particulate matter containing no asbestos and < 1% crystalline silica, respirable fraction
NW Territories:	5 mg/m3 TWA respirable mass; 10 mg/m3 TWA total mass
Nova Scotia:	2 mg/m3 TWA respirable fraction, particulate matter containing no asbestos and <1% crystalline silica
Nunavut:	5 mg/m3 TWA respirable mass; 10 mg/m3 TWA total mass
Ontario:	2 mg/m3 TWAEV respirable containing no asbestos and less than 1% crystalline silica
Quebec:	5 mg/m3 TWAEV respirable dust, containing no asbestos and less than 1% crystalline silica
Saskatchewan:	4 mg/m3 STEL (respirable fraction) 2 mg/m3 TWA (respirable fraction)
Yukon:	20 mg/m3 STEL 30 mppcf TWA; 10 mg/m3 TWA

Hexane (110-54-3)

ACGIH:	Skin - potential significant contribution to overall exposure by the cutaneous route 50 ppm TWA
OSHA:	500 ppm TWA; 1800 mg/m3 TWA
NIOSH:	50 ppm TWA; 180 mg/m3 TWA
Alberta:	50 ppm TWA; 176 mg/m3 TWA Substance may be readily absorbed through intact skin
British Columbia:	20 ppm TWA Skin notation
Manitoba:	50 ppm TWA
New Brunswick:	50 ppm TWA; 176 mg/m3 TWA
NW Territories:	100 ppm TWA; 352 mg/m3 TWA 125 ppm STEL; 440 mg/m3 STEL
Nova Scotia:	50 ppm TWA Skin - potential significant contribution to overall exposure by the cutaneous route
Nunavut:	100 ppm TWA; 352 mg/m3 TWA 125 ppm STEL; 440 mg/m3 STEL
Ontario:	50 ppm TWAEV; 176 mg/m3 TWAEV
Quebec:	50 ppm TWAEV; 176 mg/m3 TWAEV Skin designation
Saskatchewan:	62.5 ppm STEL 50 ppm TWA
Yukon:	125 ppm STEL; 450 mg/m3 STEL 100 ppm TWA; 360 mg/m3 TWA

Engineering Controls

Use general ventilation.

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

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: General

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

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

Appearance:	Beige paste	**Odor:**	Slight odor
Physical State:	Paste	**pH:**	N/A
Vapor Pressure:	N/A	**Vapor Density:**	Heavier than air
Boiling Point:	150° F - 220° F	**Melting Point:**	N/A
Solubility (H2O):	N/A	**Specific Gravity:**	1.05
Evaporation Rate:	Slower than ether	**VOC:**	401 g/L
Octanol/H2O Coeff.:	N/A	**Flash Point:**	<20° F
Flash Point Method:	CC	**Upper Flammability Limit (UFL):**	N/A
Lower Flammability Limit (LFL):	1%	**Burning Rate:**	N/A
Auto Ignition:	N/A		

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

Chemical Stability

This is a stable material.

Chemical Stability: Conditions to Avoid

Keep away from heat, sparks, or open flame. Eliminate sources of ignition.

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

Hexane (110-54-3)

Inhalation LC50 Rat 48000 ppm 4 h; Oral LD50 Rat 25 g/kg; Dermal LD50 Rabbit 3000 mg/kg

Naphtha, petroleum, hydrotreated light (64742-49-0)

Inhalation LC50 Rat 73680 ppm 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >3160 mg/kg

Naphtha (petroleum), heavy aromatic (64742-94-5)

Inhalation LC50 Rat >590 mg/m3 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

Extracts, petroleum, heavy paraffinic distillate solvent (64742-04-7)

Oral LD50 Rat >2000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

Carcinogenicity

A: General Product Information

No information available for the product.

B: Component Carcinogenicity

Kaolin (1332-58-7)

ACGIH:	A4 - Not Classifiable as a Human Carcinogen

Elastomeric Copolymer (9003-55-8)

IARC:	Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

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

Hexane (110-54-3)

Test & Species		Conditions
96 Hr LC50 Pimephales promelas	2.1-2.98 mg/L	[flow-through]
24 Hr EC50 Daphnia magna	>1000 mg/L	

Naphtha, petroleum, hydrotreated light (64742-49-0)

Test & Species		Conditions
96 Hr LC50 Chaetogammarus marinus	2.6 mg/L	

Naphtha (petroleum), heavy aromatic (64742-94-5)

Test & Species		Conditions
96 Hr LC50 Pimephales promelas	19 mg/L	[static]
96 Hr LC50 Oncorhynchus mykiss	2.34 mg/L	
96 Hr LC50 Lepomis macrochirus	1740 mg/L	[static]
96 Hr LC50 Pimephales promelas	45 mg/L	[flow-through]
96 Hr LC50 Pimephales promelas	41 mg/L	
72 Hr EC50 Skeletonema costatum	2.5 mg/L	
48 Hr EC50 Daphnia magna	0.95 mg/L	

Extracts, petroleum, heavy paraffinic distillate solvent (64742-04-7)

Test & Species		Conditions
48 Hr EC50 Daphnia magna	1.4 mg/L	

* * * Section 13 - Disposal Considerations * * *

US EPA Waste Number & Descriptions

A: General Product Information

No information available for the product.

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 * * *

US DOT Information

Shipping Name: Adhesives

UN/NA #: UN1133 **Hazard Class:** 3 **Packing Group:** II

IATA Information

Shipping Name: Adhesives
UN #: UN1133 **Hazard Class:** 3 **Packing Group:** II

IMDG Information

Shipping Name: Adhesives
UN #: UN1133 **Hazard Class:** 3 **Packing Group:** II

* * * 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).

Hexane (110-54-3)

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
Kaolin	1332-58-7	No	Yes	Yes	Yes	Yes	Yes
Hexane	110-54-3	No	Yes	Yes	Yes	Yes	Yes
Extracts, petroleum, heavy paraffinic distillate solvent	64742-04-7	No	Yes	No	No	No	No

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.

Additional Regulatory Information

A: General Product Information

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

B: Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Kaolin	1332-58-7	Yes	DSL	EINECS
Hexane	110-54-3	Yes	DSL	EINECS
Naphtha, petroleum, hydrotreated light	64742-49-0	Yes	DSL	EINECS
Naphtha (petroleum), heavy aromatic	64742-94-5	Yes	DSL	EINECS
Elastomeric Copolymer	9003-55-8	Yes	DSL	No
Extracts, petroleum, heavy paraffinic distillate solvent	64742-04-7	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Reference

G1-2853-01

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. BLV=Biological Limit Values TLV = Threshold Limit Value. NFPA = National Fire Protection Association. HMIS = Hazardous Material Information System. CFR = Code of Federal Regulations. 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 SAH00270