



Material Safety Data Sheet

Material Name: ULTRABOND ECO 420

ID: SAH00049

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

Material Name: ULTRABOND ECO 420

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). Irritating to eyes.

Hazard Statements

CAUTION! This product is irritating to the eyes. Wear suitable gloves, and eye/face 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 may cause irritation to the skin.

Potential Health Effects: Ingestion

No significant adverse effects are expected upon ingestion of the product.

Potential Health Effects: Inhalation

This product may cause irritation 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: 1 Fire: 0 Reactivity: 0 Pers. Prot.: Safety Glasses and Gloves

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	15-40
64742-52-5	Naphthenic oil	10-30
9003-55-8	Proprietary Elastomeric Copolymer	10-30
1317-65-3	Limestone	3-7
64742-46-7	Petroleum distillates, hydrotreated middle	3-7
57-13-6	Urea	1-5

Material Safety Data Sheet

Material Name: ULTRABOND ECO 420

ID: SAH00049

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Calcium carbonates, Volatile organic compounds.

*** 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 an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a slight fire hazard.

Hazardous Combustion Products

Irritating and/or toxic gases may be emitted upon the product's decomposition. 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: 1 Fire: 0 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. Wear appropriate protective equipment and clothing during clean-up.

Evacuation Procedures

None identified.

Special Procedures

Regulations vary. Consult local authorities before disposal.

Material Safety Data Sheet

Material Name: ULTRABOND ECO 420

ID: SAH00049

*** 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. Use this product with adequate ventilation. 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 pressure. Keep out of the sun.

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

A: Component Exposure Limits

Kaolin (1332-58-7)

ACGIH:	2 mg/m ³ TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)
OSHA (Final):	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
OSHA (Vacated):	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
NIOSH:	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
Alberta:	2 mg/m ³ TWA (respirable particulate)
British Columbia:	2 mg/m ³ TWA (respirable, particulate matter containing no asbestos and less than 1% crystalline silica)
Manitoba:	2 mg/m ³ TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)
New Brunswick:	2 mg/m ³ TWA (particulate matter containing no asbestos and < 1% crystalline silica, respirable fraction)
NW Territories:	5 mg/m ³ TWA (respirable mass); 10 mg/m ³ TWA (total mass)
Nova Scotia:	2 mg/m ³ TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)
Nunavut:	5 mg/m ³ TWA (respirable mass); 10 mg/m ³ TWA (total mass)
Ontario:	2 mg/m ³ TWAEV (respirable, containing no asbestos and less than 1% crystalline silica)
Quebec:	5 mg/m ³ TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)
Saskatchewan:	2 mg/m ³ TWA (respirable fraction)
n:	4 mg/m ³ STEL (respirable fraction)
Yukon:	30 mppcf TWA; 10 mg/m ³ TWA 20 mg/m ³ STEL

Material Safety Data Sheet

Material Name: ULTRABOND ECO 420

ID: SAH00049

Limestone (1317-65-3)

OSHA (Final):	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
OSHA (Vacated):	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)
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 TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)
Saskatchewan:	10 mg/m3 TWA
n:	20 mg/m3 STEL
Yukon:	30 mppcf TWA; 10 mg/m3 TWA 20 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

Launder 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:	8.0 - 10.0
Vapor Pressure:	N/A	Vapor Density:	N/A
Boiling Point:	>212° F (>100° C)	Melting Point:	N/A
Solubility (H2O):	Dispersible	Specific Gravity:	1.3 - 1.6
Evaporation Rate:	Same as water	VOC:	19 g/L
Octanol/H2O Coeff.:	N/A	Flash Point:	N/A
Flash Point Method:	N/A	Upper Flammability Limit (UFL):	N/A
Lower Flammability Limit (LFL):	N/A	Burning Rate:	N/A
Auto Ignition:	N/A		

Material Safety Data Sheet

Material Name: ULTRABOND ECO 420

ID: SAH00049

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.

*** 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

Petroleum distillates, hydrotreated heavy naphthenic (64742-52-5)

Inhalation LC50 Rat: 2.18 mg/L/4H; Oral LD50 Rat:>5000 mg/kg; Dermal LD50 Rabbit:>2000 mg/kg

Petroleum distillates, hydrotreated middle (64742-46-7)

Inhalation LC50 Rat: 4.6 mg/L/4H; Oral LD50 Rat:7400 mg/kg; Dermal LD50 Rabbit:>2000 mg/kg

Urea (57-13-6)

Oral LD50 Rat: 8471 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

Proprietary 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

Petroleum distillates, hydrotreated heavy naphthenic (64742-52-5)

Test & Species

Conditions

96 Hr LC50 Pimephales promelas >5000 mg/L

Material Safety Data Sheet

Material Name: ULTRABOND ECO 420

ID: SAH00049

48 Hr EC50 Daphnia magna >1000 mg/L

Petroleum distillates, hydrotreated middle (64742-46-7)

Test & Species

96 Hr LC50 Pimephales promelas 35 mg/L [flow-through]

Conditions

Urea (57-13-6)

Test & Species

96 Hr LC50 Poecilia reticulata 16200-18300 mg/L

Conditions

24 Hr EC50 Daphnia magna >10000 mg/L
straus

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

No additional information available.

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

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

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
Limestone	1317-65-3	No	Yes	Yes	Yes	Yes	Yes
Urea	57-13-6	No	No	Yes	No	No	No

Canadian WHMIS Information

A: General Product Information

Not regulated

B: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Material Safety Data Sheet

Material Name: ULTRABOND ECO 420

ID: SAH00049

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
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	Yes	DSL	EINECS
Proprietary Elastomeric Copolymer	9003-55-8	Yes	DSL	No
Limestone	1317-65-3	Yes	NDSL	EINECS
Petroleum distillates, hydrotreated middle	64742-46-7	Yes	DSL	EINECS
Urea	57-13-6	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

Reference Version (internal)

2641-57

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. However, no warranty, expressed or implied, is 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. 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.

End of Sheet SAH00049