Maxi-Mix Inc.

Safety Data Sheet: Maxi-Bond, Polymer Modified Veneer Mortar

Section 1 Identification

1.1 Product: 2030 Maxi-Bond, Polymer Modified Veneer Mortar, Various Colours

1.2 Manufacturer information: Maxi-Mix Incorporated
8105 Esquesing Line
Milton On. L9T 9E3
Phone 905-876-3477
Fax 905-876-0511

1.3 Recommended use: Used in the construction and Masonry Industries

1.4 Restrictions on use: Keep away from children

1.5 Emergency telephone number: Canada 1-613-996-6666 CANUTEC (call collect or 666 Cellular)

Section 2 Hazard(s) identification

2.1 Classification of product hazards:
Skin irritation H315, Cat.2
Eye Damage H318, Cat. 1
Specific Target Organ Toxicity H335, Cat. 3
Carcinogen H350, Cat. 1
Specific Target Organ Toxicity H372, Cat. 1 (inhalation)

2.2 Label elements:

Danger:

H315 Causes skin irritation
H318 Causes eye damage
H335 May cause respiratory irritation
H350 May cause cancer by inhalation
H372 Causes damage to lungs through prolonged or repeated exposure by inhalation

Prevention:

P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P260 Do not breathe dusts
P262 Do not get in eyes, on skin, or on clothing
P264 Wash hands and exposed skin thoroughly after handling
P274 Do not eat, smoke or drink while using this product
P271 Use only outdoors or in a well-ventilated area
P280 Wear Protective gloves/protective clothing and eye protection/face protection

Response:

P301 + P352 IF ON SKIN: Wash with plenty of soap and water
P321 Specific treatment: Caustic burns must be treated promptly by a doctor
P332 + P313 If Skin irritation occurs: Get medical advice/attention

P362 Take off contaminated clothing and wash before reuse

P305 + P351 + P338 IF IN EYES: Rinse Cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention

P304 +P340 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a comfortable position for breathing

P308 +P313 IF EXPOSED OR CONCERNED: Get medical advice /attention

Storage:

P402 + P405 Store in a dry place, store locked up

Disposal:

P501 Recycle and/or dispose of content/containers in accordance with local/regional/national/international regulations

2.3 Other hazards:

Dusts from this product, when combined with water or sweat can produce a corrosive alkaline solution.
There is a potential for static buildup and static discharge when transferring cement powders through a non-conductive plastic conveyance system. Static discharge may result in damage/injury to workers or equipment.

Section 3 | Composition/information on ingredients

Chemical Name	CAS No.	Wgt %	Classification according to GHS
Sand	None	71-90	Skin irritant H315, Cat. 2 Eye Damage H318, Cat. 1
Portland Cement	65997-15-1	8-21	Skin Irritant H315, Cat. 2 Eye Damage H318, Cat. 1
Calcium Hydroxide	1305-62-0	0.2-1.5	Skin Irritant H315, Cat. 2 Eye Damage H318, Cat.1
Crystalline Silica	14808-60-7	0.5-3	Carcinogen H350, Cat. 1
Calcium Oxide	1305-78-8	0.2-1.5	Skin Irritant H315, Cat. 2 Eye damage H318, Cat. 1
Chromates	7440-47-3	<0.1	Not available
Nickel Compounds	7440-02-0	<0.1	Not available

May also contain if product is coloured with pigment

Chemical Name	CAS No.	Wgt%	Classification according to GHS
Yellow Iron Oxide	51274-00-1	0-3	Skin irritant H315, Cat. 2 Eye irritation H320, Cat. 1 May cause respiratory irritation H335, Cat. 3
Red Iron Oxide	1309-37-1	0-3	Skin irritant H315, Cat. 2 Eye irritation H320, Cat. 1 May cause respiratory irritation H335, Cat. 3
Black Iron Oxide	1317-61-9	0-3	Skin irritant H315, Cat. 2 Eye irritation H320, Cat. 1 May cause respiratory irritation H335, Cat. 3
Carbon Black	1333-86-4	0-3	Skin irritant H315, Cat. 2 Eye irritation H320, Cat. 1
Quartz	14808-60-7	0-1.5	Skin irritant H315, Cat. 2 Eye irritation H320, Cat. 1 May cause respiratory irritation H335, Cat. 3
Mica	Proprietary	0-1	Eye irritant H320, Cat. 1 Causes damage to organs (lungs) through prolonged or repeated exposure H372, Cat. 1
Aluminum Silicate	12199-37-0	0-1	Skin irritant H315, Cat. 2 Eye irritation H320, Cat. 1 May cause respiratory irritation H335, Cat. 3
Manganese dioxide	1313-13-9	0-1	Skin irritant H315, Cat. 2 Eye irritation H320, Cat. 1 May cause respiratory irritation H335, Cat. 3

Section 4 First Aid Measures

4.1 Description of first aid measures: First aid providers should avoid all contact with this chemical. Wear protective gloves and other PPE as required. Ensure your own safety before attempting to rescue (wear appropriate protective equipment).

Inhalation: If breathing is difficult remove the victim to fresh air and place in a comfortable position for breathing. Seek medical treatment if coughing or other symptoms persist. Inhalation of large amounts of this product will require immediate medical attention.

Eye Contact: Immediately flush eyes thoroughly with water. Continue flushing for at least 15 minutes, including under the eyelids to remove all particles. Seek medical attention immediately if irritation persists

Skin Contact: Wash skin with cool water and mild soap or a detergent intended for use on skin. Seek medical treatment in all cases of prolonged exposure to wet cement, cement mixtures liquids from fresh cement products, or prolonged exposure of wet skin to dry cement product.

Ingestion: Rinse mouth, do not induce vomiting. Seek medical attention immediately.

4.2 Most important symptoms and effect, both acute and delayed:

Inhalation: High concentrations of airborne dusts from this product are severely irritating to the upper respiratory tract with many symptoms such as coughing, sneezing and shortness of breath. Silicosis and lung cancer can be caused by long term inhalation of dusts containing respirable size crystalline silica.

Eye contact: Severely irritating when in contact with eyes. Product can cause eye damage which could be permanent.

Skin contact: Dust from this product when combined with water or sweat will produce a severely irritating alkaline solution which may burn the skin. Symptoms may be immediate or delayed for hours and can include discomfort or pain, burns, skin dryness, cracking and eczema.

Ingestion: This product is severely irritating to the mouth, throat and gastro-intestinal system if swallowed. Severe pain/burning of the mouth, throat, esophagus and gastrointestinal tract along with nausea, vomiting and /or diarrhea. Watch for aspiration into lungs if victim vomits.

4.3 Indication of any immediate medical attention and special treatment needed:

Corrosive product, seek immediate medical attention if inhaled, swallowed or if it gets in eyes.

Section 5 Fire-fighting measures

5.1 Extinguishing media:

Use extinguishing media suitable to the combustibles in area.

Unsuitable extinguishing media: Use caution when using water, contact with water will generate heat, water jet may splash product. Use caution when using pressurized firefighting measures, they may scatter the dry product.

5.2 Special hazards arising from product:

Product not flammable or combustible

Bulk product may heat when dampened with water and become corrosive forming an alkaline solution

5.3 Advice for fire-fighters:

Evacuate the area and fight the fire from a safe distance, firefighters must wear full protective equipment including self-contained breathing apparatus (SCBA) and chemical protection clothing.

Section 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Wear adequate personal protective equipment including an appropriate respirator. Prevent entry into spill area from unauthorized persons. Do not touch spilled product or breathe in dust from product.

6.2 Environmental precautions:

Avoid releases to the environment and prevent product from entering sewers, waterways or waste water management systems.

6.3 Methods and material for containment and cleaning up:

Avoid dust generation while cleaning, do not sweep or used pressurized air to clean. Vacuum product up with HEPA fitted equipment and place vacuumed product into a suitable waste container (closed and labelled). Small spills can be picked up with a wet cloth or mop.

6.4 Reference to other sections:

See section on Exposure Controls/Personal Protection for information on selection of personal protective equipment

See section on Disposal Considerations for information on disposal of spilled product

Section 7 Handling and Storage

7.1 Precautions for safe handling:

Ensure that engineering controls are functioning and that personal protective equipment requirements and personal hygiene measures are being are being followed before handling product.
Before use obtain special instructions
Read and understand all safety precautions before use
Do not breathe dusts from product
Wash hands and any exposed skin after handling
Use only in a well-ventilated area
All contaminated clothing should be removed and washed
Prevent eye contact. Wear appropriate protective gloves/clothing along with eye and face protection

Static Hazard: Properly ground all pneumatic conveyance systems. Static discharge could damage equipment or result in injury to workers.

Engulfment Hazard: Do not enter storage silos, bins or container where product is stored.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a dry well-ventilated area, keep away from moisture and humidity
Store away from food and non-human food
Keep out of reach of children

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

Ingredient	**ACGIH TLV** (8 hr. TWA)	**U.S. OSHA PEL** (8 hr. TWA)	**Ontario (Canada)** TWA
Portland cement (Respirable)*	1 mg/m³	15/mg/m³ (total dust) 5 mg/m³ (respirable)	Refer to ACGIH TLV
Calcium hydroxide	5 mg/m³	15 mg/m³ (total dust) 5 mg/m³ (respirable)	Refer to ACGIH TLV
Calcium oxide	2 mg/m³	5mg/m³	Refer to ACGIH TLV
Crystalline silica	0.025 mg/m³ (respirable)	quartz (total dust)	0.1 mg/m³ (respirable)

(Quartz)		30 mg/m³/(%Si02 + 2) quartz (respirable) 10 mg/m³/(%Si02 + 2)	Designated Substance
Yellow Iron Oxide	5 mg/m³	10 mg/m³ (total dust)	Refer to ACGIH TLV
Red Iron Oxide	5 mg/m³	10 mg/m³ (total dust)	Refer to ACGIH TLV
Black Iron Oxide	5 mg/m³	10 mg/m³ (total dust)	Refer to ACGIH TLV
Carbon Black	3 mg/m³	3.5 mg/m³	Refer to ACGIH TLV
Mica	3 mg/m³	3mg/m³	Refer to ACGIH TLV
Aluminum Silicate	5 mg/m³ (respirable) 10 mg/m³ (total)	5 mg/m³ (respirable) 15 mg/m³ (total)	Refer to ACGIH TLV
Manganese Dioxide	0.2 mg/m³ Mn	0.02 mg/m³ Mn (Respirable) 0.1 mg/m³ Mn (Total)	Refer to ACGIH TLV

- Value for particulate matter containing no asbestos and less than 1% crystalline silica

8.2 Exposure controls:

Engineering controls Use product only with an appropriate exhaust ventilation system; if un-able to do so then use/wear suitable personal protection equipment maintaining good industrial hygiene**.**

Personal Protection Equipment (PPE): Comply with the requirements of Personal Protective Equipment of the workplace in which this product is used.

Eye/Face protection: Wear approved safety glasses with side shields, or safety goggles or a face-shield or full face respirator.

Skin protection: Wear chemical resistant/impervious gloves suitable for the application, wear protective clothing.

Respiratory Protection: Wear a properly fitted respirator N95 or higher if the engineering controls are insufficient or un-available.

Other protection: Have a safety shower and eyewash available in work area

Avoid contact with skin and eyes, remove contaminated clothing immediately and wash before re-use. Do not eat, drink or smoke while handling this product.

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Solid, powder grey (unless product coloured)
Odour	Odourless
Odour Threshold	Not applicable
pH	12-13
Melting/freezing point	Not applicable
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Flammability	Not flammable or combustible
Auto-ignition temperature	Not applicable
Upper/lower flammability or explosive limits	Not applicable
Explosive properties	Not applicable
Oxidizing properties	Not applicable
Sensitivity to mechanical impact	Not applicable
Sensitivity to static discharge	Potential for static build up in plastic conveyance devices
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	2.5-3.15 (water = 1)
Solubility	Slightly soluble in water
Partition coefficient(n-octanol/water)	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable

Section 10 Stability and reactivity

10.1 Reactivity:
Reacts slowly with water forming hydrated compounds, releasing heat and an alkaline solution
10.2 Chemical stability:
Stable at normal temperature and anticipated storage conditions
10.3 Possibility of hazardous reactions:
When in solution the product is highly alkaline and may corrode aluminum
10.4 Conditions to avoid:
Avoid unplanned contact with water/moisture and with strong acids
10.5 Incompatible materials:
Strong acids, may react vigorously
Aluminum-Aluminum powder – could result in production of flammable hydrogen gas
Water- generates heat
10.6 Hazardous decomposition products:
When in solution product will generate corrosive calcium hydroxide.

Section 11 Toxicological information

11.1 Likely routes of exposure:
Eye(s), skin or Inhalation
11.2 Acute toxicity data:
Eye Damage/Irritation: Causes serious eye damage and possible blindness. Seek immediate medical aid.

Skin corrosion/irritation: Causes skin irritation, may cause caustic burns during prolonged exposure to skin
STOT - Single exposure: Dusts from this product may cause respiratory irritation.
Aspiration hazard: Product is corrosive, if aspirated into the lungs happens severe lung damage may result

11.3 Chronic toxicity:

STOT - Repeated exposure: Repeated and prolonged breathing of dusts from this product may cause lung disease
Contains crystalline silica, fine particles of crystalline silica may cause silicosis.

Skin sensitivity: Product may contain trace amounts of chromates/nickel that can cause an allergic skin reaction, further skin contact may result in inflammation, rash or itching.

Carcinogenicity: Product contains crystalline silica which is considered a hazard by inhalation. IARC has classified crystalline silica as a group 1 substance, carcinogenic to humans.

Section 12 Ecological Information

12.1 Toxicity:
Product is considered harmful to aquatic life. When in contact with water it forms an alkaline solution. Prevent release to the environment.

Section 13 Disposal Considerations

13.1 Disposal methods: Avoid generation of waste products. Dispose of product with consideration of the environment and all regional or municipal waste disposal requirements. Waste packaging should be recycled where possible. Do not allow waste to escape into sewers or waterways.

Section 14 Transport Information

Product is not classified as a Hazardous Material under U.S. Dot or Canadian TDG regulations

Section 15 | Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the product:

OSHA: Skin irritant, Cat. 2
Eye Damage, Cat. 1
Specific Target Organ Toxicity, Single exposure Cat. 3
Carcinogenicity (Inhalation) Cat. 1
Specific Target Organ Toxicity, Repeated exposure (inhalation) Cat. 1

Canada

WHMIS 1988 Classification:
D2A- Other Toxic effects: Crystalline silica
E- Corrosive- pH > 12

Section 16 | Other Information

Approved Date: March 7, 2016
Revision date: April 6, 2016 (Rev 1.3)
References and sources for data:
NIOSH – Pocket Guide to Chemical Hazards
Legend for abbreviations:
ACGIH – American Conference of Governmental Industrial Hygienists
CAS – Chemical Abstract Services number
CCOHS – Canadian Centre for Occupational Health and Safety
GHS – Globally Harmonized System for Classification and Labelling
IRAC – International Agency for Research on Cancer
mg/m³ - milligrams per cubic meter
Mn - Manganese
NIOSH – National Institute for Occupational Health and Safety
OSHA – Occupational Safety and Health Administration
PPE – Personal Protective Equipment
STOT - Specific Target Organ Toxicity
TDG – Transportation of Dangerous Goods
TLV – Threshold Limit Value
TWA – Time weighted average
WHMIS – Workplace Hazardous Materials Information system

Additional Information: Polymer Modified Veneer Mortars should only be used by a trained, knowledgeable person.
Read this SDS before handling or disposing of this product. This safety information is provided to help our customers with health, safety and/or environmental matters. We have taken reasonable effort to ensure that the test methods and sources for this data are correct and reliable, however, we give no warranty, expressed or implied, regarding its correctness. Since conditions or methods of handling and using this product are beyond our control, we do not assume responsibility and expressly disclaim liability for damages resulting from or connected with the handling, storage, use or disposal of the product.

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