

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER / IDENTIFIKASI PRODUK DAN SYARIKAT

Product Name / Nama Produk : ALC THIN MORTAR

Product Description : ALC Thin Mortar is cement-based dry-set mortar for thin joining of ALC blocks
 Penjelasan Produk

Company Information : This product is marketed by / Produk ini dipasarkan oleh;
 Maklumat Syarikat **Emix Industry (M) Sdn Bhd**
 22-1, Jalan 7/108C, Taman Sungai Besi,
 57100 Kuala Lumpur, Malaysia
 Tel: 03-79880238 Fax: 03-79880239

2. HAZARD IDENTIFICATION / IDENTIFIKASI BAHAYA

Signal Word: Danger / Bahaya

Hazard Pictograms / Piktogram bahaya :


Hazard Statements / Pernyataan Bahaya:

H315 Causes skin irritation. Menyebabkan kerengsaan kulit.
 H318 Causes serious eye damage. Menyebabkan kerosakan mata yang serius.
 H335 May cause respiratory irritation. Boleh menyebabkan kerengsaan pernafasan.

Precautionary statements – Prevention: Pernyataan berjaga - jaga - Pencegahan:

P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
 Elakkan daripada tersedut habuk/ wasap/gas /kabus /wap /semburan.

P262 Do not get in eyes, on skin, or on clothing.
 Jangan biarkan terkena mata, kulit atau pakaian.

P280 Wear protective gloves / protective clothing /eye protection / face protection.
 Pakai sarung tangan pelindung/ pakaian pelindung / perlindungan mata / perlindungan muka.

P305+ IF IN EYES: Rinse cautiously with water for several minutes
 P351+ JIKA TERKENA MATA: Bilas berhati-hati dengan air selama beberapa minit.

P338 Remove contact lenses, if present and easy to do. Continue rinsing.
 Tanggalkan kanta lekap, jika ada dan dapat dilakukan dengan mudah. Teruskan membilas

P315 Get immediate medical advice/attention.
 Segera dapatkan nasihat/rawatan perubatan.

P304+ IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P340 JIKA TERSEDUT: Pindahkan mangsa ke kawasan berudara segar dan biarkan mangsa dalam keadaan rehat supaya mangsa dapat bernafas dengan selesa.

P302+ IF ON SKIN: Wash with plenty of soap and water.
 P352 JIKA TERKENA KULIT: Basuh dengan sabun dan air yang banyak.

P332+ If skin irritation occurs: Get medical advice/attention
 P313 Jika berlaku kerengsaan kulit: Dapatkan nasihat/rawatan perubatan

P301+ IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P330+ JIKA TERTELAN: Berkumur. JANGAN paksa muntah.
 P331

3. COMPOSITION / INFORMATION ON INGREDIENTS / KOMPOSISI / INFOMASI BAHAN-BAHAN

Mixtures Ingredients / Campuran Bahan

Ingredient	CAS Number	Risk Phrases	Proportions Weight %
Portland Cement	65997-15-1	36/37/38, 42/43	10 to <30
Graded Limestone Powders	1317-65-3	36/37/38	10 to <30
Graded Sand	14808-60-7	36/37/38	30 to 60
Nonhazardous chemical additives	N/A	N/A	<1

4. FIRST AID MEASURES / LANGKAH PERTOLONGAN CEMAS

IF IN EYES	:	Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.
JIKA TERKENA MATA	:	Pancut cuci mata dengan serta-merta dengan air yang banyak sekurang-kurangnya selama 15 minit. Dapatkan perhatian perubatan jika simptom berlaku.
IF INHALED	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
JIKA TERSEDUT	:	Pindahkan mangsa ke kawasan berudara segar dan biarkan mangsa dalam keadaan rehat supaya mangsa dapat bernafas dengan selesa.
IF ON SKIN	:	Wash with plenty of soap and water. Get medical attention immediately.
JIKA TERKENA KULIT	:	Basuh bersih-bersih dengan sabun dan air. Dapatkan perhatian perubatan jika symptom berlaku.
If skin irritation occurs:	:	Get medical advice/attention
Jika berlaku kerengsaan kulit:	:	Dapatkan nasihat/rawatan perubatan
IF SWALLOWED	:	DO NOT induce vomiting. Get medical attention immediately.
JIKA TERTELAN	:	JANGAN paksa muntah. Dapatkan perhatian perubatan jika simptom berlaku.

5. FIRE FIGHTING MEASURES / LANGKAH KAWAL KEBAKARAN

Suitable Extinguishing Media	:	Use fire-extinguishing media appropriate for surrounding materials.
Media Pemadaman yang Sesuai	:	Gunakan langkah pemadaman yang sesuai dengan keadaan setempat dan persekitaran keliling: Air. Bahan kimia kering. Karbon dioksida (CO ₂). Busa.
Unsuitable Extinguishing Media	:	None
Media Pemadaman yang Tidak Sesuai	:	Tiada.
Special Exposure Hazards in Fire	:	None
Hasil pembakaran berbahaya	:	Tiada.
Special Protective Equipment for Fire Fighters	:	Use protective equipment appropriate for surrounding materials. if fire happen, use suitable breathing apparatus
Peralatan perlindungan dan langkah berjaga-jaga untuk pemadam kebakaran	:	Pakai peralatan perlindungan yang sesuai. Sekiranya berlaku kebakaran, pakai peralatan pernafasan serba lengkap.

6. ACCIDENTAL RELEASE MEASURES / LANGKAH KAWALAN KELUARAN SILAP

Personal Precautions / Langkah Berjaga – jaga Diri	:	Avoid contact with skin and eyes. Wear impervious clothing, gloves and boots. Wear eye protection. See Section 8 for guidance on personal protective equipment. Wear personal protection equipment clothing, gloves, eye protection and boots. Wear breathing apparatus if exposed to vapours/dusts. Provide adequate ventilation. Use appropriate respiratory protection. See protective measures 8. Kosongkan kawasan persekitaran. Halang kakitangan tidak berkaitan dan tidak dilindungi daripada masuk. Jangan sentuh atah jalan melalui bahan tertumpah. Pakai kelengkapan perlindungan peribadi bersesuaian (Lihat Seksyen 8).
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Environmental Precautions	:	Prevent wet concrete from entering watercourses, ditches and drains. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Langkah-langkah Kawalan Alam Sekitar	:	Retain contaminated washing water and dispose it. Elakkan penyebaran bahan tertumpah dan aliran dan bersentuh dengan tanah, jalan air, longkang dan pembentung. Beritahu pihak berkuasa yang berkaitan jika produk menyebabkan pencemaran persekitaran (pembentung, aliran air, tanah atau udara).
Methods for Cleaning	:	Clean up any spillage using suction or mechanical removal methods. Rapidly recover the product, wearing protective clothing. Scoop into containers and seal for disposal. After the product has been recovered, rinse the area and materials involved with water. Wash with plenty of water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
Langkah-langkah pembersihan	:	Bersihkan sebarang tumpahan menggunakan sedutan atau kaedah penyingkiran mekanikal. Pakai pakaian pelindung diri yang sesuai. Sendukkan ke dalam bekas untuk pelupusan. Bilas kawasan dan bahan-bahan yang terlibat dengan air. Basuh dengan air yang banyak. Isikan/kumpul dalam bekas pelupusan bahan buangan yang wajar. Buang melalui kontraktor pelupusan mengikut peraturan kerajaan tempatan.

7. HANDLING AND STORAGE / PENGENDALIAN DAN PENYIMPANAN

PRECAUTIONS FOR SAFE HANDLING / LANGKAH-LANGKAH PENGENDALIAN SELAMAT

Handling	:	Use in well-ventilated areas. Wear chemical resistant gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe fumes. Do not take
Pengendalian	:	internally. Gunakan di tempat yang mempunyai pengudaraan yang baik. Pakai sarung tangan tahan kimia dan pelindung mata keselamatan. Tidak bercampur dengan bahan kimia lain, kecuali seperti yang ditunjukkan dalam data teknikal. Jangan biarkan termasuk dalam mata. Jangan tersentuh pada kulit atau pakaian. Jangan menyedut wasap. Jangan ditelan.
General Hygiene Advice	:	Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or
Nasihat Am Higen	:	smoking. Gunakan amalan kebersihan industri yang baik dan memakai perlindungan diri yang disyorkan. Cuci pakaian yang tercemar sebelum digunakan semula. Basuh tangan sebelum makan, minum, atau merokok.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES KEADAAN SELAMAT PENSTORAN, TERMASUK YANG TIDAK SESUAI

Storage	:	Store at room temperature, in a dry and sheltered place.
Penyimpanan	:	Simpan di dalam suhu bilik, kering dan tertutup

8. EXPOSURE CONTROLS / PERSONAL PROTECTION / KAWALAN PENDAHAN/PERLINDUNGAN DIRI

Engineering Controls
Kawalan Kejuruteraan : General or local ventilation as necessary to prevent any excessive dust exposure.
: Pegalirudaraan setempat atau am yang bersesuaian untuk mengelakkan sebarang pendedahan habuk yang berlebihan



Personal Protection
Pelindungan Diri : i. Eye Protection: Wear approved eye protection [safety goggles]
Pelindungan Mata: Penggunaan perlindungan keselamatan mata seperti kaca mata keselamatan

ii. Skin Protection / Perlindungan Kulit:
1. Hand Protection: Wear chemical resistant gloves.
1. Alat perlindungan Tangan: Sarung tangan keselamatan (Getah – Tahan Kimia)
2. Body Protection: Wear suitable protective clothing
2. Perlindungan Badan: Memakai pakaian perlindungan yang sesuai.

iii. Respiratory Protection: A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas which approved by DOSH.
Alat Perlindungan Pernafasan: Memakai topeng pernafasan N95 atau topeng separuh muka dengan katrij yang boleh diganti yang dibenarkan oleh JKKP.

iv. General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.
Langkah-kangkah am keselamatan dan kesihatan: Pengendalian perlu mengikut piawaian langkah keselamatan higien industry.

9. PHYSICAL AND CHEMICAL PROPERTIES / SIFA-SIFAT FIZIKAL DAN KIMIA

Appearance / Rupa /Keadaan Fizikal	: Grey Powder / Serbuk Kelabu
Odour / Bau	: None/ Tiada
pH	: Not determined/ Tidak ditentukan
Viscosity / Kelikatan	: Not applicable/ Tidak Berkaitan
Freezing point / Takat Beku	: Not applicable/ Tidak Berkaitan
Boiling point / Takat Didih	: Not applicable/ Tidak Berkaitan
Melting point / Takat Lebur	: Not determined/ Tidak ditentukan
Flash point / Takat Kilat	: Not applicable/ Tidak Berkaitan
Auto Flammability / Kemudahbakaran	: Not applicable/ Tidak Berkaitan
Explosive Limits /	: Not applicable/ Tidak Berkaitan
Vapour pressure / Tekanan Wap	: Not applicable / Tidak Berkaitan
Relative density / Ketumpatan relatif	: Not determined / Tidak itentukan
Solubility / Keterlarutan	: Insoluble / Tidak Larut
Partition Coefficient	: Not determined / Tidak ditentukan
Vapour density / Ketumpatan Wap	: Not applicable/ Tidak Berkaitan

10. STABILITY AND REACTIVITY / KESTABILAN DAN KEREAKTIFAN

Reactivity	:	No dangerous reaction known under conditions of normal use.
Kereaktifan	:	Tiada tindakbalas bahaya yang diketahui di bawah keadaan penggunaan yang normal.
Chemical Stability	:	Stable under recommended storage conditions.
Kestabilan Bahan Kimia	:	Stabil pada keadaan penyimpanan yang disyorkan
Possibility of Hazardous Reaction	:	No dangerous reaction known under conditions of normal use.
Kemungkinan Tindak Balas Berbahaya	:	Tiada tindakbalas yang bahaya di bawah keadaan penggunaan normal.
Conditions to Avoid	:	Non-available
Keadaan yang Perlu Dielakkan	:	Tiada
Incompatible Materials	:	Non-available
Bahan Tidak serasi	:	Tiada
Hazardous Decomposition Products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Bahaya Produk penguraian	:	Di bawah keadaan penyimpanan dan penggunaan normal, produk penguraian berbahaya tidak boleh dihasilkan.

11. TOXICOLOGICAL INFORMATION / MAKLUMAT TOKSIKOLOGI

Likely Routes of Exposure	:	Skin contact, skin absorption, eye contact, inhalation, and ingestion.
Laluan Pendedahan	:	Tersentuh, Terkena Kulit, Terkena Mata, Tersedut dan Termakan

SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS: GEJALA-GEJALA BERKAITAN FIZIKAL / KIMIA / CIRI TOKSIKOLOGI:

Eye Contact	:	Causes serious eye irritation. Symptoms may include discomfort or pain.
Terkena Mata	:	Boleh menyebabkan kerengsaan mata yang serius. Gejala boleh termasuk rasa tidak selesa atau sakit.
Skin Contact	:	May causes skin irritation especially if wet. Handling can cause dry skin, discomfort, irritation, and dermatitis.
Terkena Kulit	:	Boleh menyebabkan kerengsaan kulit terutamanya jika basah. Pengendalian boleh menyebabkan kulit kering dan ketidakselesaan.
Inhalation	:	May cause respiratory tract irritation. If continuously in long exposure.
Tersedut	:	Boleh menyebabkan kerengsaan saluran pernafasan. Jika berterusan dalam pendedahan yang lama.
Ingestion	:	May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting
Termakan	:	Boleh memudaratkan jika ditelan. Pengingesan boleh menyebabkan rasa tidak selesa dan / atau kesusahan, loya atau muntah-muntah

12. ECOLOGICAL INFORMATION / MAKLUMAT EKOLOGI

The product is not expected to be hazardous to the environment.

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Toxicity : No data available

Persistence and degradability

Degradability : There are no data on the degradability of this product.

Bioaccumulative potential : No data available on bioaccumulation.

Mobility in soil : Not relevant, due to the form of the product.

Other adverse effects : Not available.

Kesan buruk yang lain:

13. DISPOSAL CONSIDERATIONS / PERTIMBANGAN PEMBUANGAN

- Disposal Method** : Dispose of contents/containers in accordance with all local, state and provincial regulations
- Kaedah Pelupusan** : Pelupusan kandungan / bekas mengikut semua undang-undang tempatan, negeri atau wilayah tempatan.
- Other Disposal Considerations** : Not available
- Pertimbangan Pelupusan Lain** : Tidak Berkenaan

14. TRANSPORT INFORMATION / MAKLUMAT ANGKUTAN

No special packaging requirements. Transport, handle and store in accordance with Government Regulations. Not regulated for transport of dangerous goods: UN, IATA.

- UN number : Not applicable.
- UN proper shipping name : Not applicable.
- Transport hazard class(es)
- Transport Labels : No transport warning sign required.
- Packing group : Not applicable.
- Environmental hazards
- Environmentally Hazardous Substance/Marine Pollutant : No.
- Special precautions for user : Not applicable.

15. REGULATORY INFORMATION / MAKLUMAT PENGAWALAN

Not classified as dangerous under current regulation.

Safety, health, and environmental regulations specific for the hazardous chemical

- 1 The Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013
- 2 Industry Code of Practice on Chemicals Classification and Hazard Communication 2014
- 3 Guidance on EHSNR - by Department of Environment (DoE)

16. OTHER INFORMATION / MAKLUMAT TAMBAHAN

- Date of Preparation : September 13, 2016
- Version : 1
- Revision Date : N/A

The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. Any suggestion and recommendations made are without guarantee and liability since conditions of use are beyond our control. Appropriate warnings and safe handling procedures should be provided to all those who handle and use the product and no liability can be accepted for any loss, injury or damage resulting from its use.