SECTION 1 : INDENTIFICATION OF THE CHEMICAL AND OF THE SUPPLIER

Commercial Product Name	: CEMSEAL ACH
Relevant identified uses	: Exposed Seamless Waterproofing Coating System based on acrylic polymers
Company/Undertaking	: Cemseal Industries Sdn. Bhd.
Address	: No.10, Jalan Emas 29, Taman Sri Putri, 81300 Skudai, Johor, Malaysia.
Tel No.	: +607-558 3320
Email	: info@cemseal.com

SECTION 2 : HAZARDS IDENTIFICATION

According to: CLASS Regulations 2013, Malaysia (adapted from UN GHS Rev. 3)

2.1 Classification of the substance or mixture

CLASS Regulations 2013 : Specific target organ toxicity- repeated exposure Category 1

2.2 Label Elements

Hazard Statement : H372 Causes damage to organs through prolonged or repeated exposure

Pictogram:



Signal word : Danger

Hazard statement : H372 Causes damage to organs through prolonged or repeated exposure

Precautionary Statements

Prevention:	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink, or smoke when using this product.
Response:	P314 Get medical advice/attention if you feel unwell.
Disposal:	P501 Dispose of contents/container in accordance with local/regional/national/international regulation

2.3 Other Hazards

Hazards which do not result in classification: None.

Please refer to Section 11 for more information on toxicology properties.

SECTION 3 : COMPOSITION AND INFORMATION OF THE INGREDIENTS

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

- Material consists of acrylic polymers with pigment, fillers and additives.

Hazardous ingredients	CAS No.	% weight
Crystalline silica	14808-60-7	30 - 40

SECTION 4 : FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation : First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin : First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.

Eye : First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

Ingestion : First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

: Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician : All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5 : FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media : Water, foam, dry chemical, carbon dioxide (CO_2).

Unsuitable Extinguishing Media : None known.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards : Does not present any special fire or explosive hazards.

Hazardous Combustion Products : Upon drying and reaching temperatures of combustion, produces corrosive and/or toxic fumes.

5.3 Advice for firefighters : Fire-fighters should wear appropriate protective equipment and sefl-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

: Structural firefighters' protective clothing will only provide limited protection

SECTION 6 : ACCIDENTAL RELEASURES MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions : No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Emergency Procedures : No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.

6.2 Environmental precautions: No special precautions necessary.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures : Pick up pieces and place in container or bag for disposal.

6.4 Reference to other sections : Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

SECTION 7 : HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling : Use good safety and industrial hygiene practices. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage : Store in a cool, dry, well-ventilated place.

7.3 Specific end use(s) : Refer to Section 1.2 - Relevant identified uses.

SECTION 8 : EXPOSURE CONTROLS PERSONAL PROTECTION

8.1 Control parameters

Exposure : Silica, TWA 8hr 0.1 mg/m3 (respirable fraction) - USECHH 2000, Malaysia.

8.2 Exposure controls

Engineering Measures/Controls : Under normal conditions of use, special ventilation is not required

PPE Respiratory : No respiratory protection is required under normal conditions of use.

Eye/Face : Under normal conditions of use, eye protection is not required.

Skin/Body : No skin protection is ordinarily required under normal conditions of use.

Environmental Exposure Controls : Follow best practice for site management and disposal of waste.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Appearance	: Liquid
Color	: White, grey, etc.
Odor	: Slight odor
Odor Threshold	: Data not available
Boilding Point	: Data not available
Decomposition Temperature	: Data not available
Specific Gravity	: 1.30 kg/liter
Melting Point/Freezing Point	: Data not available
pH	: Data not available
Water Solubility	: Data not available
Explosive Properties	: Data not available
Viscosity	: Data not available
Oxidizing Properties	: Data not available
Vapor Pressure	: Data not available
Evaporation Rate	: Data not available
Vapor Density	: Data not available
Flash Point	: > 60 ˚C
LEL	: Data not available
Flammability (Solid,gas)	: Data not available
UEL	: Data not available
Autoignition	: Data not available
Octanol/water Patition coeffient	: Data not available

9.2 Other Information

• No additional physical and chemical parameters noted.

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity

• No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

• Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

• Hazardous polymerization will not occur.

10.4 Conditions to avoid

• Avoid flames, sparks, or other sources of ignition.

10.5 Incompatible materials

• No data available.

10.6 Hazardous decomposition products

• Thermal decomposition could produce CO, CO_2, sulfur oxides, oxides of nitrogen and hydrogen chloride..

SECTION 11 : TOXICOLOGICAL INFORMATION

GHS Properties	Classification
Acute toxicity	> 2,000 mg/kg (oral) based on ingredients data and calculation
Skin corrosion/Irritation	Not expected to cause skin irritation/damage based on ingredients data
Serious eye damage/Irritation	Not expected to cause eye irritation/damage based on ingredients data
Skin sensitization	Not expected to cause skin sensitization based on ingredients data
Respiratory sensitization	Not expected to cause respiratory sensitization based on ingredients data
Aspiration Hazard	Viscosity criteria of product not met
Carcinogenicity	None known based on ingredients data
Germ Cell Mutagenicity	None known based on ingredients data
Toxicity for Reproduction	None known based on ingredients data
STOT-SE	None known based on ingredients data
STOT-RE	Product contains crystalline silica, on its own in respirable form (particles in air) it could affect lungs. However, product is in liquid form where the silica is not likely to be released into air. Once the product is cured, it will form a coating where the silica will be held in place by acrylic polymers and any release into air is not possible anymore.

11.2 Potential Health Effects Inhalation

Acute (Immediate) • Under normal conditions of use, no health effects are expected.
Chronic (Delayed) • Under normal conditions of use, no health effects are expected.

Skin
Acute (Immediate) • Under normal conditions of use, no health effects are expected.

Chronic (Delayed) • Under normal conditions of use, no health effects are expected.

Eye
Acute (Immediate) • Under normal conditions of use, no health effects are expected.
Chronic (Delayed) • Under normal conditions of use, no health effects are expected.

Ingestion
Acute (Immediate) • Under normal conditions of use, no health effects are expected.

SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity : No data available.

12.2 Persistence and degradability : No data available.

12.3 Bioaccumulative potential : No data available.

12.4 Mobility in Soil : No data available.

12.5 Results of PBT and vPvB assessment	:	PBT and vPvB assessment has not been carried out.
12.6 Other adverse effects	:	No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product waste	:	Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging	:	Dispose of content and/or container in accordance with local, regional, national,waste

SECTION 14 : TRANSPORTATION INFORMATION

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class	14.4 Packing group	14.5 Environmental hazards
DOT	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
TDG	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
IMO/IMDG	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
ADN	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
ADR/RID	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
IATA/ICAO	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated

14.6 Special precautions for user – None specified

14.7 Transport in bilk according to Annex II of Marpol and the IBC Code – Not applicable

SECTION 15 : REGULATORY INFORMATION

15.1 SDS requirement

• SDS has been prepared in accordance to CLASS Regulations 2013 (adapted from UN GHS Revision 3)

15.2 Chemical Safety Assessment

• No Chemical Safety Assessment has been carried out

SECTION 16 : OTHER INFORMATION

Date prepared: April 24, 2025

Version: ACH-250424

NFPA Ratings

Health: 1 Fire: 0 Reactivity: 0

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