

CEMSEAL ADMIX C100E

SECTION 1 : IDENTIFICATION OF THE CHEMICAL AND OF THE SUPPLIER

Commercial Product Name : CEMSEAL ADMIX C100E
 Company/Undertaking : Cemseal Industries Sdn. Bhd.
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SECTION: HAZARD IDENTIFICATION

GHS Classification:

Physical Hazard

Not classified as a physical hazard under GHS criteria

Health Hazard

Skin corrosion/Irritation	Category 2
Serious eye damage/irritation	Category 1
Skin sensitization	Category 1
Specific target organ toxicity -Single exposure	Category 3

Environment Hazard

Not classified as an environmental hazard under GHS criteria GHS

Pictogram



Signal Word Danger

Hazard Risk Statement

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

Precautionary Statement

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P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash your handling region thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection

(Response)

P310	Immediately call a POISON CENTER or doctor/physician
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (see Section 4 of SDS)
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P314	Causes severe skin burns and eye damage
P302+P352	IF ON SKIN: Wash with soap and water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P332+P313	If skin irritation occurs: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

(Storage)

P403+P233	Store in a well-ventilated place. Keep the container tightly closed.
P405	Store locked up

(Disposal)

P501	Dipose of contents/container (in accordance with applicable law)
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SECTION 3 : COMPOSITION AND INFORMATION OF THE INGREDIENTS

- A. Single product or Mixture: Mixture
- B. Common chemical name of the product: Phenol resin (Liquid)

Ingredient	CAS No.	Content (%)
Portland Cement	9048-57-1	30-60
Sodium Carbonate	497-19-8	5-
Tartaric Acid	133-37-9	1-5

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SECTION 4 : FIRST AID MEASURES**A. INHALATION**

- Move person to fresh air and call for medical assistance immediately.
- If not breathing, give artificial respiration, if breathing is difficult, give oxygen. Keep at rest.

B. SKIN CONTACT

- In case of contact, immediately flush skin with large amounts of water and soap while removing contaminated clothing and shoes.
- If irritation persists, get medical attention.

C. EYE CONTACT

- Immediately flush eyes with large amounts of water until irritation subsides.
- Remove contact lens
- Obtain medical attention, preferably by an ophthalmologist, immediately.

D. INGESTION

- DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Keep at rest. Get medical attention immediately
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SECTION 5 : FIRE-FIGHTING MEASURES**SUITABLE FIRE EXTINGUISHING MEDIA**

- Alcohol-resistant foam, carbon dioxide, or dry chemical type

SPECIFIC HAZARD ARISING FROM THE CHEMICAL

- Combustion products may include and are not limited to: Carbon monoxide and carbon dioxide.

SPECIAL PROTECTIVE ACTIONS FOR FIRE FIGHTERS

- Wear full protective clothing and NIOSH-approved self-contained breathing apparatus.
- Use water spray to cool fire-exposed surfaces and to protect personnel. If a leak or spill has not ignited, use water spray to disperse the vapours.
- If possible, isolate product from heat, electrical equipment, sparks and open flames.
- Avoid spraying water directly into storage containers.
- Closed containers may explode when exposed to extreme heat.
- Avoid spreading burning liquid with water, isolate liquid.
- Do not allow run-off from firefighting to enter drains or watercourses.

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SECTION 6 : ACCIDENTAL RELEASES MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE**

- Wear appropriate protective equipment, e.g., respirators, eye protection, gloves and safety shoes.
- Avoid substance contact with eyes. Do not inhale vapours.
- Ensure supply of fresh air in enclosed rooms.

ENVIRONMENTAL PRECAUTIONS

- Eliminate sources of ignition.
- Keep public away.
- Contain spilled liquid with sand or other non-combustible absorbent materials
- Wash area and prevent runoff into drains and sewerage system.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.

METHODS AND MATERIALS FOR CONTAINMENTS AND CLEANING UP

- Clean up all spills immediately.
 - Absorb spill with absorbent and inert material, then place in container.
 - Disposal in accordance to local/national regulations.
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SECTION 7 : HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING**

- Use appropriate personal protective equipment
- Keep out of reach of children.
- Handle containers with care. Open slowly in order to control possible pressure release.
- Do not pressurize containers.
- Do not ingest. Do not breathe in gas/fumes/vapour. Avoid contact with skin and eyes.
- For personal protection, see section 8.
- Use only in areas from which all naked lights and other sources of ignition have been excluded.
- Take precautionary measures against static discharge
- Protect from frost and extremes of temperature.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

- Keep containers tightly closed.
- Containers that are opened should be properly resealed and kept upright to prevent leakage.
- Store in cool, dry and well-ventilated place at temperature between 20oC to 40oC away from heat and sources of ignition.

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SECTION 8 : EXPOSURE CONTROLS PERSONAL PROTECTION CONTROL PARAMETERS/OCCUPATIONAL LIMITS

Ingredient	ACGIH TLV-TWA		OSHA PEL-TWA	
	ppm	mg/m ³	ppm	mg/m ³
Portland Cement	-	1	-	15
Sodium Carbonate	-	-	-	-
Tartaric Acid	-	-	-	-

APPROPRIATE ENGINEERING CONTROL MEASURES

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.
- Ensure eyewash stations and safety showers are close to the workstation location.

PERSONAL PROTECTION

Respiratory Protection:	Use of SS548 or NIOSH-approved respirators with organic vapour cartridges is recommended.
Hand Protection:	Use of solvent resistance type or chemical resistant type of protective gloves is recommended.
Eye Protection:	Use of SS473(Part 2) approved safety glasses or goggles with side shields is recommended.
Skin / Body Protection:	Wear chemical resistant clothes and SS 513 (Part 1) approved safety shoes when handling product.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Grey Powder
Odour	: Odourless
Odour threshold	: Not available
pH	: Not applicable
Melting point/freezing point	: Not applicable Initial
boiling point and boiling range	: Not available Flash
point	: Not available
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Not applicable Lower
flammability or explosive limit	: Not applicable
Upper flammability or explosive limit	: Not applicable
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: Not applicable
Solubility	: Not available
Partition coefficient	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Not available

CEMSEAL ADMIX C100E**SECTION 10 : STABILITY AND REACTIVITY****REACTIVITY**

- Reacts with water and moisture in the air

CHEMICAL STABILITY

- The product is stable under recommended storage and handling conditions. (See section 7)

POSSIBILITY OF HAZARDOUS REACTION

- Under normal conditions of storage and use, hazardous reaction will not occur.

CONDITIONS TO AVOID

- Keep away from strongly acidic, water and moisture in order to avoid exothermic reactions. Avoid exposure to high temperatures or direct sunlight. When exposed to air, product will absorb moisture

HAZARDOUS DECOMPOSITION PRODUCTS

- When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

SECTION 11 : TOXICOLOGICAL INFORMATION

There is no data available on the product itself.

Toxicological information of ingredients:

Acute Oral toxicity

Harmful if swallowed.

Oral LD50(Rat), mg/kg

Data not available

Acute dermal/skin toxicity

May be harmful if in contact with skin

Dermal LD50 (Rabbit), mg/kg

Data not available

Acute inhalation toxicity

Vapour concentrations above the recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system effects.

Inhalation Vapor (Rat) LC50, mg/L/4hr

Data not available

Skin corrosion or irritation

Causes skin irritation. Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

Serious eye damage or irritation

May be an eye irritant.

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Respiratory or skin sensitization

Vapour concentrations above the recommended exposure levels may be irritating to the eyes and the respiratory tract,

Germ cell mutagenicity

No information available on the product.

Carcinogenicity

No information available on the product.

Reproductive toxicity

No information available on the product.

Specific Target Organ Toxicity (STOT)- single exposure

No information available on the product.

Specific Target Organ Toxicity (STOT)- repeated exposure

No information available on the product.

Aspiration hazard

May be harmful if swallowed and enter airways

SECTION 12 : ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity -No data available

Persistence and degradability

Biodegradation -No data available

Bioaccumulative potential

-No data available

Mobility in soil

-No data available

Result of PBT and vPvB assessment

-No data available

Other adverse effects

There is no ecotoxicological test data available on the product itself.

The product should not be allowed to enter drains or water courses

SECTION 13 : DISPOSAL CONSIDERATIONS

The product should not be allowed to enter drains and watercourses.

Preferred methods of waste disposal are incineration or biological treatment in federal/state approved facility. Empty containers should be recycled or disposed through an approved waste management facility or licensed contractor.

All federal, state and local environmental regulations shall be observed.

SECTION 14 : TRANSPORTATION INFORMATION

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Transport to be in accordance with ADR/RID for road/rail, IMDG for sea and IATA for Air.

LAND TRANSPORT

Classified as Dangerous Goods by the criteria of the European Agreement concerning the international carriage of Dangerous Goods (ADR) by Road & Regulations concerning the international carriage of Dangerous goods (RID) by Rail.

UN Number: Not Classified
Proper shipping name: -
Class: -
Packaging Group: Not Assigned

SEA TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport of Sea.

UN Number: Not Classified
Proper shipping name: -
Class: -
Packaging Group: Not Assigned
Marine Pollutant: No

SEA (Annex II of MARPOL 73/78 and the IBC code)

Not applicable

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by Air

UN Number: Not Classified
Proper shipping name: -
Class: -
Packaging Group: Not Assigned

SECTION 15 : REGULATORY INFORMATION

Applicable national regulations:

- Standards on Hazard communication for hazardous chemicals and dangerous goods
 - SS 586 : Part 1: 2021- Transport and storage of dangerous goods
 - SS 586 : Part 2: 2014- GHS of classification and labelling of chemicals- Singapore's adaptations
 - SS 586 : Part 3: 2008- Preparation of safety data sheets (SDS)
- MOM: Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations
 - This product is subject to SDS, labelling, PEL and other requirements in the Acts/Regulations
- NEA: Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations.
 - This product is not subject to control under this Acts/Regulations
- SCDF: Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations

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- This product is not subject to the requirement of this Acts/Regulations
 - SPF: The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules
 - This product is not subject to the requirement of this Acts/Regulations
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SECTION 16 : OTHER INFORMATION

- A. Issuing date: May 21, 2025
- B. Version: C100E-250521
- C. Other Information

Abbreviation

ACGIH	American Conference of Governmental Industrial Hygienists
TLV	Threshold limit value
TWA	Time-Weighted Average
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
LD50	Lethal Dose
LC50	Median lethal concentration
IARC	International Agency for Research in Cancer

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