SECTION 1 : IDENTIFICATION OF THE CHEMICAL AND OF THE SUPPLIER

Commercial Product Name	: CEMSEAL E200PU-M PART B
Relevant identified uses	: Solvent-Free Polyurethane Screed
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)

A. Classification of the substance or mixture

Acute Toxicity	Category 4
Skin irritation	Category 2
Eye irritation	Category 2
Respiratory sensitisation	Category 1
Skin sensitisation	Category 1
Carcinogenicity	Category 2
Specific target organ toxicity - single exposure, respiratory system	Category 3
Specific target organ toxicity - repeated exposure	Category 2

B. Label Elements

Pictogram:



Signal word: Danger

Hazardous components which must be listed on the label

Diphenylmethanediisocyanate, isomeres and homologues

Hazard statement:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.

Precautionary Statements:

(Prevention)

P201	Obtain special instructions before use.
P260	Do not breathe mist or vapours.

P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
(Response)
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

C. Other Hazards

This substance/mixture contains no components considered to be either persistent, bioaccumula tive and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3 : COMPOSITION AND INFORMATION OF THE INGREDIENTS

A. Single product or Mixture: Mixture

B. Common chemical name of the product:

Chemical Name	CAS No.	Content (%)
Diphenylmethanediisocyanate, iso meres and homologues	9016-87-9	≥80

SECTION 4 : FIRST AID MEASURES

A. Description of first aid measures

General Advice: Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.

Inhalation: Move to fresh air.
Consult a physician after significant exposure.

Skin Contact: Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

Eye Contact: Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

Ingestion: Do not induce vomiting without medical advice.
Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

B. Most important symptoms and effects, both acute and delayed

Symptoms: Asthmatic appearance
Cough
Respiratory disorder

Allergic reactions
Excessive lachrymation
Erythema
Headache
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.

Risks: irritant effects
sensitising effects
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Harmful if inhaled.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause respiratory irritation.
Suspected of causing cancer.
May cause damage to organs through prolonged or repeated exposure if inhaled.

C. Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

SECTION 5 : FIRE-FIGHTING MEASURES

A. Extinguishing media

Suitable Extinguishing Media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

B. Special Hazards Arising from The Substance or Mixture

Hazardous combustion products : No hazardous combustion products are known.

C. Recommended Fire Fighting Procedures

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Advice for firefighters : Standard procedure for chemical fires.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

A. Personal precautions, protective equipment and emergency procedures :

For personal protection see section 8.

B. Environmental precautions:

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

C. Methods and material for containment and cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7 : HANDLING AND STORAGE

A. Precautions for safe handling:

Advice on safe handling : Avoid formation of aerosol.
Avoid exceeding the given occupational exposure limits (see section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection see section 8.
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Follow standard hygiene measures when handling chemical products.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

B. Conditions for safe storage:

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re sealed and kept upright to prevent leakage. Store in accord ance with local regulations.

Further information on storage stability : No decomposition if stored and applied as directed.

C. Specific end use(s)

Cleaning with aprotic polar solvents must be avoided. Consult most current local Product Data Sheet prior to any use.

SECTION 8 : EXPOSURE CONTROLS PERSONAL PROTECTION

A. Control parameters

Occupational Exposure Limits

Components	CAS No.	Value type (Form of exposure)	Control parameters
Diphenylmethanediisocyanate, iso meres and homologues	9016-87-9	TWA	0,01 mg/m3 (NCO)
		STEL	0,02 mg/m3 (NCO)

B. Exposure controls

Engineering Controls : Maintain air concentrations below occupational exposure standards.
Ensure adequate ventilation, especially in confined areas.

Respiratory Protection	:	Respiratory protection required in insufficiently ventilated working areas and during spraying. A R95 face mask is recommended.
Hand Protection	:	Elbow-length nitrile gloves are required. Contaminated gloves should be disposed of.
Eye Protection	:	Tightly fitting safety goggles.
Skin / Body Protection	:	Wear protective material penetration overalls and safety shoes.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

A. Information on Basic Physical and Chemical Properties

Appearance	Liquid
Color	Amber
Odor	Characteristics
Odour Threshold	No data available
pH	Not applicable
Melting/Freezing Point	No data available
Boiling Point	No data available
Decomposition Temperature	No data available
Specific Gravity	1.23 g/mL
Flash Point	Not applicable
Evaporation Rate	No data available
Vapor Density	No data available
Burning Number	Not applicable
Vapor Pressure	0.01 hPa
Flammability (Solid,gas)	Not applicable
Solubility in Water	Insoluble
Auto-ignition Temperature	No data available
Octanol/water Partition coefficient	No data available
Viscosity	~190 mPa.s
Ignition Temperature	No data available

B. Other Information

No data available

SECTION 10 : STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	No hazards to be specially mentioned.
Incompatible materials	:	No data available.
Conditions to avoid	:	No data available.
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11 : TOXICOLOGICAL INFORMATION

Toxicological studies on the product are not yet available.

A. Acute toxicity: Harmful if inhaled

Chemical Name	Oral LD50(Rat),mg/kg	Dermal LD50(Rabbit),mg/k	Inhalation LC50(Rat),mg/L/4hr
Diphenylmethanediisocyanate, isomeres and homologues	> 10.000 mg/kg	> 9.400 mg/kg	Test atmosphere: dust/mist Method: Expert judgement Assessment: The component/mixture is moderately toxic after short term inhalation.

B. Skin corrosion/irritation : Causes skin irritation.

C. Serious eye damage/eye irritation : Causes serious eye irritation.

D. Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

E. Germ cell mutagenicity : Not classified due to lack of data.

F. Carcinogenicity : Suspected of causing cancer.

G. Reproductive toxicity : Not classified due to lack of data.

H. STOT - single exposure : May cause respiratory irritation.

I. STOT - repeated exposure : May cause damage to organs through prolonged or repeated exposure if inhaled.

J. Aspiration toxicity : Not classified due to lack of data.

SECTION 12 : ECOLOGICAL INFORMATION

A. Toxicity

Diphenylmethanediisocyanate, isomeres and homologues:

Toxicity to fish: LC50 (Brachydanio rerio (zebrafish)): > 1.000 mg/l Exposure time: 96 h

Toxicity to algae/aquatic plants: EC50 (Desmodesmus subspicatus (green algae)): > 1.640 mg/l Exposure time: 72 h

B. Persistence and degradability: No data available

C. Bioaccumulative potential: No data available

D. Mobility in soil: No data available

E. Results of PBT and vPvB Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

F. Other adverse effects

There is no data available for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Treatment Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 : TRANSPORTATION INFORMATION

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

A. Land transport

UN Number:	Not regulated as a dangerous good
Proper shipping name:	-
Class:	-
Packaging Group:	Not Assigned

B. Sea transport

UN Number:	Not regulated as a dangerous good
Proper shipping name:	-
Class:	-
Packaging Group:	Not Assigned
Marine Pollutant:	No

C. SEA (Annex II of MARPOL 73/78 and the IBC code): Not applicable

D. Air transport

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

SECTION 15 : REGULATORY INFORMATION

A. Occupational Safety and Health (DOSH)

- Occupational Safety and Health Act 1994 (Act 514)
- Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000 (USECHH Regulations)

This product is subject to requirements on classification, labelling, Safety Data Sheet (SDS), and permissible exposure limits under the above regulations.

B. Department of Environment (DOE)

- Environmental Quality Act 1974
- Environmental Quality (Scheduled Wastes) Regulations 2005

This product may be subject to environmental control and disposal requirements depending on its classification as scheduled waste.

SECTION 16 : OTHER INFORMATION

A. Issuing date: June 30, 2026

B. Version: E200PU-M(B)-260630

C. Other Information:

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility in observing existing laws and regulations.
THE INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF CEMSEAL KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS FOR THE DATE INDICATED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.