

SECTION 1: IDENTIFICATION OF THE CHEMICAL AND OF THE SUPPLIER

Commercial Product Name : CEMSEAL PU-SE HP
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SECTION 2: HAZARDS IDENTIFICATION

A. Hazard· Risk Classification

Health Hazards

Acute Toxicity (Inhalation: dust/mist): Category 4

Skin Corrosion/Irritation: Category 3

Flammable Liquid: Category 4

B. Label elements including precautionary statements.

Symbol:



Signal Word: Warning

Hazard Risk Statement

H302	Harmful if swallowed
H316	Causes mild skin irritation
H332	Harmful if inhaled

Precautionary Statement
(Prevention)

P210	Keep away from flames and hot surfaces. No smoking
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection

(Response)

P304+P340 IF INHALED	If breathing is difficult, remove the victim to fresh air and keep at rest in a comfortable position for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313 IF skin irritation occurs	Get medical advice/attention.
P370	In case of fire: Use to extinguish; CO ₂ , powder or water spray

(Storage)

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
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(Disposal)

P501	Dispose 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: Single

B. Common chemical name of the product: Polyurethane resin (Liquid)

Chemical Name	CAS No.	Content (%)
Polyurethane Pre-polymer	9016-87-9	25 – 45
Calcium carbonate	471-34-1	30 – 50
Titanium dioxide	13463-67-1	0 – 5
Carbon Black	1333-86-4	0 - 1

SECTION 4: FIRST AID MEASURES

A. Eye contact

IF IN EYES: Rinse thoroughly with plenty of water and consult a physician if fell uncomfortable.

B. Skin contact

Take off contaminated clothing and shoes immediately. Wash off with plenty of water and consult a physician if fell uncomfortable.

C. Inhalation

Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitates if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

D. Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.

E. General advice

Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance

SECTION 5: FIRE-FIGHTING MEASURES

- A. Fire extinguishing media: Water, carbon dioxide, dry chemical powder, foam
- B. Extinguishing step: Spraying water to cool the surface of the flame touched, and protects the safety of personnel.
- C. Fire extinguishing procedure: As in any fire, wear self-contained breathing apparatus and full protective gear.
- D. Fire extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used.
- E. Harmful combustion: Combustion of liquid may produce carbon monoxide, carbon dioxide, Nitrogen oxides and other hazardous gases.

SECTION 6: ACCIDENTAL RELEASES MEASURES

- A. Emergency personnel protection
Remove all sources of ignition. Ensure adequate ventilation. Take precautionary measures against static discharges.
- B. Environmental precautions
Prevent further leakage or spillage if safe to do so. Avoid products into sewers, water network or low-lying areas.
- C. Methods and materials for containment and cleaning up
Clean leaking area with water and make it solidify fast. Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bundling. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

SECTION 7: HANDLING AND STORAGE**Storage Temperature**

Best temperature is between 5°C and 25°C, should not be above 40°C.

Transport Temperature

Normal temperature

Loading and unloading of temperature

Normal temperature

Storage and transportation pressure

The atmospheric pressure

General mode of transportation

Such as trucks, containers, railway container, shipping containers, bulk storage.

General considerations

Keep containers tightly closed in a dry, cool and well-ventilated place, upright storage and no more than two. Keep away from heat, sparks, open flames, hot surfaces and direct sunlight. Handling should prevent extrusion, collision, keep the packages are intact.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Mechanical control measures/ventilation

Components with location control parameters. Specify material release and release a quantity depends on processing conditions.

Respiratory protection

When the concentration is higher in the air, wearing a filter type gas mask(half mask).

Eye protection

Tightly fitting safety goggles.

Hand protection

Wear rubber gloves. If protective gloves began to rot, it should be replaced immediately.

Body protection

Wear protective material penetration overalls and non-slip safety shoes.

Other protection

Work site no smoking, eating and drinking water. After work, be sure to take a shower and change clothes. Pay attention to personal hygiene.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

A. Appearance	Grey thick liquid
B. Odor	Light smell
C. Odor Threshold	No data available
D. pH	No data available
E. Melting point/Freezing point	No data available
F. Initial boiling point/boiling range	No data available
G. Flash point (°C)	210
H. Evaporation rate	No data available
I. Flammability (solid, gas)	No data available
J. Upper/lower flammability or explosive limits	No data available
K. Vapor pressure	No data available
L. Solubility	Soluble in organic solvents
M. Vapor density	No data available
N. Specific gravity	1.30 ~ 1.50
O. Partition coefficient: n-octanol/water	No data available
P. Auto-ignition temperature	No data available
Q. Decomposition temperature	No data available
R. Viscosity[25°C,mPa.s(cps)]	8000 ~ 16000
S. Molecular weight	No data available

SECTION 10: STABILITY AND REACTIVITY

A. Chemical stability & Possibility of hazardous reaction	Stable at normal temperature and pressure conditions
B. Conditions to avoid	No data available
C. Incompatible materials	No data available
D. Hazardous decomposition product	No data available
E. Reactivity	Curing reaction with water, react with alcohol and acid failure but no change in state

SECTION 11: TOXICOLOGICAL INFORMATION

- A. Information on the likely routes of exposure
No data available
- B. Health hazards information
- Acute toxic
No data available
 - Skin effect
Can cause degreasing, skin cracking and dermatitis
 - Eye effect
Cause irritation of mucous membranes
 - Ingestion
Excitant, may cause dizziness when high concentrations of steam inhalation.
Eating can lead to bronchitis, pulmonary edema, and serious may cause death.
 - Reproductive toxicity
No data available
 - Carcinogenicity:
No data available
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SECTION 12: ECOLOGICAL INFORMATION

- A. Biodegradation
The product is difficult to degrade
- B. Removal efficiency evaluation (H₂O)
The product can be removed from the water through the biological function, such as activated sludge adsorption method.
- C. Eco-toxicity
Cause low toxicity to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

A. Disposal methods

Dispose of contents and containers in accordance with prescribed manners in the Wastes Management Act. The product is not suitable for deep processing.

B. Disposal recommendation

Must not be disposed the old goods together with domestic water.

Shall not pour into the drains and enter the drainage system.

The empty bucket should be processing by the permit organizations.

If the product have been mixed with other substances, might need to follow the other disposal methods.

SECTION 14: TRANSPORTATION INFORMATION

Packing Label	No special identification
UN number	Not classified as dangerous
UN proper shipping name	No data available
Transport hazard class	No data available
Packing group	No data available
Packaging method	Sealed steel pails
Excepted quantities	No data available
IMDG-CODE	Be transported in accordance with the general cargo transport method
ICAO/IATA-DG	Be transported in accordance with the general chemical transport method
UN-ADR	Be transported in accordance with the general cargo transport method

SECTION 15: REGULATORY INFORMATION

- A. Hazard Chemicals Safety Statute (Enforced from 1st November, 2011)
- B. Workplace safe use of chemicals ([1996] Labor Department No. 423) which stipulated the procedures such as production, stock, transportation, discharge of hazard chemicals.

SECTION 16: OTHER INFORMATION

- A. Issuing date: June 13, 2025
- B. Version: PU-SE HP - 250613

Disclaimer

This Safety Data Sheet (SDS) was prepared according to GB/T16483 and GB/T17519. The data only fit the appointed substance, maybe not be used for the condition which mixed with other materials or being used in. All the data is based on the current knowledge and experience. This data only be used in depicting safety rules of products and not assure the product properties. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.