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## Safety Data Sheet

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### 1. Product and Company Identification

Product name :CEMEDINE High-Super 5 B(Hardener)

Name of supplier :CEMEDINE CO.,LTD.

Address :Gate City Ohsaki East Tower, 1-11-2, Osaki, Shinagawa-ku, Tokyo

Division :Quality Assurance Dept.

Phone :03-6421-7413

FAX :03-6421-7416

Emergency phone :03-6421-7413

Product code(SDS NO) :GE0408-3

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### 2. Hazards Identification

GHS classification and label elements of the product

GHS classification

PHYSICAL HAZARDS :Not applicable

HEALTH HAZARDS :Out of class

ENVIRONMENT HAZARDS :Out of class

(Note) GHS classification without description : Not applicable/Out of classification/Not classifiable

Signal word : None

Adverse human health effects

Skin damage may occur by epoxy resin hardener.

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### 3. Composition/Information on Ingredients

Substance/Preparation :Preparation

Chemical identity :Two part epoxy resin adhesive, hardener

Ingredient name	content(%)	CAS No.	Chemicals No, Japan
Polythiol	90-100	CBI/not registered	CBI/not registered
Tertiary amine	1-10	CBI/not registered	CBI/not registered
Silica	1-5	CBI/not registered	CBI/not registered

Note : The figures shown above are not the specifications of the product.

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### 4. First-Aid Measures

#### IF INHALED

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

#### IF ON SKIN

Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

#### IF IN EYES :

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF SWALLOWED

Rinse mouth.

Immediately call a POISON CENTER or doctor/physician.

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5. Fire-Fighting Measures

Suitable extinguishing media

In case of fire, use foam, dry powder, CO<sub>2</sub>

Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

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6. Accidental Release Measures

Personnel precautions, protective equipment and emergency procedures

keep away from someone's skin and keep from getting into eyes, put on the protections.

Preventive measures for secondary accident

Collect spillage.

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7. Handling and Storage

Conditions for safe storage, including any incompatibilities

Recommendation for storage

STORAGE TEMPERATURE (min/Max): 5-35C

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8. Exposure Control/Personal Protection

Protective equipment

Hand protection

Wear protective gloves.

Eye protection

Wear eye/face protection.

Skin and body protection

Wear protective clothing.

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9. Physical and Chemical Properties

Physical properties

Appearance :water non-soluble liquid

Color :milky white

Odor :Mercapto odor

Flash point :176°C

Specific gravity/Density :1.1g/cm<sup>3</sup>

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10. Stability and Reactivity

Stability

This product is considered a stable material under normal condition.

Possibility of hazardous reactions

Mix a large amount of base resin and hardener at once, rise the temperature of adhesive rapidly.

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11. Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics

Acute toxicity

Oral toxicity component(s) data

(Tertiary amine)

1200 mg/kg (JPMA 5th ed.)

Dermal toxicity component(s) data

(Tertiary amine)

1280 mg/kg (JPMA 5th edit.)

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12. Ecological Information

No Acuatic toxicity data available

Persistence and degradability

No data

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13. Disposal Considerations

Waste residues

Dispose of contents/container in accordance with local/national regulation.

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14. Transport Information

UN No, UN CLASS

Not applicable to UN NO.

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15. Regulatory Information

The product is not applicable to GHS classifications.

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16. Other Information/References

Reference Book

Globally Harmonized System of classification and labelling of chemicals, (4th ed., 2011), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 17th edit. UN

Classification, labelling and packaging of substances and mixtures (reg.(EC) No 1272/2008)

2008 EMERGENCY RESPONSE GUIDEBOOK(US DOT)

2011 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/monoeval/grlist.html>

Supplier's SDS

Other information

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.