



SAFETY DATA SHEET

Cover-Clad TI System

SL Hardener Part B

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name : COVER-CLAD SL/QUARTZ
Area of Application : Seamless floor coatings

Supplier: : U.S. Flooring Company, Inc.
1550 Katherine Ave.
Joplin, MO 64801
Tel: 417-625-1512
Fax: 417-625-1707

Emergency Telephone Number : 800-424-9300 ChemTrec Emergency Response

2. COMPOSITION /INFORMATION ON INGREDIENTS

General Description : Preparation

Information on ingredients

| Chemical name | Cas No. | % | OSHA PEL | ACGIH TLV |
|-----------------------|-----------|-------|----------------------|---------------|
| Isophorone diamine | 2855-13-2 | 30-50 | no limits set | no limits set |
| Benzyl alcohol | 100-51-6 | 30-50 | no limits set | no limits set |
| 2-Hydroxybenzoic acid | 69-72-7 | 5-10 | 15 mg/m ³ | |

3. HAZARDS IDENTIFICATION

Human health hazards : Causes burns. Harmful in contact with skin and if swallowed. Harmful by inhalation (is valid at increased temperature and at spraying). May cause sensitization by skin contact.

Environmental hazards : Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES

General Information : In case of accident or if you feel unwell, seek medical advice immediately. Bring the safety data sheet. Never give anything by mouth to an unconscious person.

Ingestion : Wash out mouth with water. Drink plenty of water. Do not induce vomiting. Immediately get medical attention.

Skin : Immediately remove contaminated clothing. Immediately wash off with plenty of water and soap.

Eye Contact : Remove any contact lenses. Wash the eyes with plenty of water for at least 15 minutes, with the eyelid held wide open. Immediately get medical attention.



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5. FIRE-FIGHTING MEASURES

| | |
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| Flashpoint | : > 212°F (>100°C). |
| Explosion limits | : Not applicable |
| Suitable extinguishing media | : Dry chemical, alcohol-resistant foam, water spray, carbon dioxide. |
| Hazardous thermal (de)composition products | : Carbon monoxide, carbon dioxide and nitrogen compounds |
| Protection of fire-fighters | : Use breathing apparatus. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------|--|
| Personal precautions | : Avoid contact with skin and eyes. Do not breathe vapor and spray. Use appropriate protection (see Section 8). Keep unauthorized people away. |
| Environmental precautions | : Avoid release to the environment. In the event of major spillage: Immediately contact fire department and police. |
| Methods for cleaning up | : Collect spilled material. Absorb remainder in sand or other inert material. Forward for disposal (see Section 13). |

7. HANDLING AND STORAGE

| | |
|----------|--|
| Handling | : Avoid contact with skin and eyes. Avoid temperatures above 104°F (40°C). Irritating vapor can be formed when heated. Don't spray, could cause harmful mist. Use only in well-ventilated areas. For instruction for application, see separate product information. Any national regulations about epoxy products should be followed (see section 15). |
| Storage | : Keep container tightly closed and dry. Protect from direct sunlight. Keep at 60-104°F (15-40°C). Keep away from acids. |

8. EXPOSURE CONTROL/PERSONAL PROTECTION

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|-------------------------------|---|
| Engineering measures | : Use only in well-ventilated areas. |
| Personal protective Equipment | |
| Respiratory | : In case of insufficient ventilation, wear suitable respiratory equipment. |
| Skin and body | : Wear suitable protective clothing (full protective clothing). |
| Hands | : Wear suitable gloves. |
| Eyes | : Safety goggles or face shield. |
| Other protective equipment | : Eye wash facility. Emergency shower. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|----------------------|------------------------------|
| Physical state | : Liquid. |
| Color | : Light-yellow, clear. |
| Odor | : Amine-like. |
| Boiling point | : >302°F (>150°C) |
| Density | : ca. 1.05 g/cm ³ |
| Solubility in water | : Limited. |
| pH | : 11-12. |
| Flash point | : >212°F (100°C) |
| Explosion properties | : Not explosive. |



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10. STABILITY AND REACTIVITY

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| Stability | : Stable under recommended storage and handling conditions. Decomposes at high temperatures. |
| Conditions to avoid | : Avoid temperatures above 104°F (40°C). |
| Materials to avoid | : Oxidizing agents and acids. |
| Hazardous reactions | : Reacts with acid developing heat. |
| Hazardous decomposition products | : Not known but at fire. |

11. TOXICOLOGICAL INFORMATION

| | |
|---------------|--|
| Inhalation | : At recommended storage and handling conditions, the risk of inhalation of hazardous vapor or spray is considered to be small. Inhalation of vapor or mist may result in smarting pain, cough, headache, nausea, tiredness and dizziness. |
| Ingestion | : Harmful if swallowed. May result in pain (mouth, pharynx and stomach). May cause burns. May result in headache, nausea, tiredness, dizziness, vomiting and diarrhea. |
| Skin contact | : Causes burns. Dehydrating on skin. |
| Eye contact | : Causes burns. Results in pain and ulceration. May cause irreversible damage to the eyes. |
| Sensitization | : Prolonged or repeated skin contact may result in allergic eczema. |

Information on Ingredients:

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|-------------------------|---|
| <u>Chemical name</u> | : Isophorone diamine |
| Acute Toxicity – Oral | : LD ₅₀ oral rat: 1030 mg/kg. |
| Sensitization | : May cause sensitization with allergic eczema. |
| <u>Chemical name</u> | : Benzyl alcohol |
| Acute Toxicity – Oral | : LD ₅₀ oral rat: 1230 mg/kg. |
| Acute Toxicity – Dermal | : LD ₅₀ skin rabbit: 2000 mg/kg. |

12. ECOLOGICAL INFORMATION

Do not allow to enter waste water canal, waterways or soil.

Information on ingredients:

| | |
|---------------------------|--|
| <u>Chemical name</u> | : Isophorone diamine |
| Persistence/degradability | : The substance is poorly biodegradable. |
| Ecotoxicity | : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. LC ₅₀ fish (Leuciscus idus, 48h): 185 mg/l. EC ₅₀ Daphnia magna (24 h): 42 mg/l. |

13. DISPOSAL CONSIDERATIONS

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|------------------------|--|
| Waste of residues | : Disposal according to the local, state and federal legislation. Forward for disposal. Curing is recommended. |
| Contaminated packaging | : Disposal according to the local, state and federal legislation. |
| Other information | : Any national regulations about epoxy products should be followed (see section 15). |



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14. TRANSPORT INFORMATION

DOT Regulations:

Identification number : UN2289
Proper shipping name : ISOPHORONEDIAMINE SOLUTION
(technical name)
Hazard Class : 8
Packing group : III
Label : 8
Reportable Quantity : 1001 lbs.

NMFC Item # : 044155-08

International transport regulations Road (ADR), Railway (RID) Sea (IMDG), Air (IATA):

UN number : 2289
Proper shipping name : ISOPHORONEDIAMINE SOLUTION.
Class : 8
Packing group : III

15. REGULATORY INFORMATION

Risk phrases : Causes burns [=R34]
Harmful by inhalation, in contact with skin and if swallowed [=R20/21/22].
May cause sensitization by skin contact [=R43]
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment [=R52/53].

Safety phrases : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice [=S26].
Wear suitable protective clothing, gloves and eye/face protection [=S36/37/39].
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) [=S45].
Avoid release to the environment. Refer to special instructions/Safety data sheets [=S61].
Do not induce vomiting.

Contains : Isophorone diamine.
Benzyl alcohol.
2-Hydroxybenzoic acid.

CERCLA-SARA Hazard : This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the SARA Title III 1986 and is considered under applicable definitions to meet the following categories:

None.

SARA Section 313 : This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the SARA 1986 and 40 CFR part 372:

None.

Toxic Substances Control Act : This product contains the following chemical substances subject to the reporting requirements of TSCA 12 (B) if Exported from the United States:

None.



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Definition : SARA – Superfund Amendment Reauthorization Act

16. OTHER INFORMATION

This product is used together with Cover-Clad SL Base A and Filler C. Base A and Hardener B react while developing heat. Complete curing time is 5-7 days. For instructions for application, see separate product information. See also safety data sheet for comp A.

HMIS Ratings

Health : 3
Flammability : 1
Reactivity : 0
Personal protection : -

The ratings assigned by Cover-Clad are only suggested ratings; the contractor/employer has ultimate responsibility for HMIS rating where this system is used.

Personal Protection

This code is left blank as it depends on application technique and the workplace ventilation.
Please read this MSDS before deciding on appropriate protective equipment and beginning work.
There are codes available for this section which can be obtained from Labelmaster.

History

Version Country/ : United States / English
Language
Date previous issue : -
Changes in comparison with :
the previous issue

This safety data sheet is based on U.S. Flooring Company's present knowledge and experience, and is intended to serve as a guide for safe handling of the product regarding to health and environmental aspects.