



SAFETY DATA SHEET

SDS 423B

1. Product and Company Identification

- 1.1 PRODUCT NAME:** EPISTIXX SL FLOORING (UNIT B)
- 1.2 USE OF PRODUCT** Curing Agent for Epistixx Self Levelling flooring.
- 1.3 SUPPLIER:** Equus Industries Ltd
Sheffield Street
Riverlands Industrial Estate
Blenheim, Marlborough, New Zealand
Telephone: +64 3 578 0214
Email: admin@equus.co.nz
- 1.4 EMERGENCY CONTACT:** **National Poison Centre**
Telephone: 0800 764 766

Information about Safety Data Sheet: Telephone: +64 3 578 0214 8:00am – 6:00pm Mon – Fri

- 1.5 Date of Preparation:** 15 June 2023

2. Hazard Identification

- 2.1 Statement of Hazardous Nature:**
Classified as hazardous according to New Zealand Hazardous Substances (Minimum degrees of hazard) Regulations 2020.
- 2.2 DG Status:**
Not classified as a Dangerous Goods under NZ5433:2012
Transport of Dangerous Goods on Land
- 2.3 Hazard Classification:**

Class and GHS Classification		Hazard Statement
Acute Toxicity (oral)	Cat 4	H302- Harmful if swallowed.
Acute Toxicity (dermal)	Cat 5	H313- May be harmful in contact with skin.
Skin Corrosion/Irritation	Cat 1B	H314-Causes severe skin burns and eye damage.
Serious Eye Damage/Eye Irritation	Cat 1	H318- Causes serious eye damage.
Skin Sensitisation	Cat 1	H317- May cause an allergic skin reaction.
STOT (Repeat Exposure)	Cat 1	H372- Causes damage to organs through prolonged or repeated exposure
Hazardous to aquatic environment (acute)	Cat 1	H410- Very toxic to aquatic life with long lasting effects.
Hazardous to aquatic environment (chronic)	Cat 1	H410- Very toxic to aquatic life with long lasting effects.

2.4 Signal Word and Pictograms: Danger



3. Composition Information on Ingredients

CAS NO.	COMPONENT	CONCENTRATION %
100-51-6	Benzyl alcohol	< 3.5%
2855-13-2	Isophoronediamine (IPD)	< 25%
	Cycloaliphatic amine	> 9%
25620-58-0	Trimethylhexamethylenediamine (TMD)	< 6%
140-31-8	1-(2-Aminomethyl) piperazine (AEP)	< 2%
98-54-4	Paratertiarybutylphenol	< 1.5%
1761-71-3	4,4'-Methylenebiscyclohexanamine	< 7%
129733-57-9	Cyclohexanamine 4,4'-methylene-bis-, reaction products with bisphenol A diglycidylether homopolymer	4.7%
90-72-2	Tris-2,4,6-(dimethylaminomethyl)phenol	< 4%
71074-89-0	Bis(dimethylaminomethyl)phenol	< 0.6%

4. First aid Measures

4.1 General advice

Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

4.2 Eye contact Rinse immediately with plenty of water for at least 15 minutes.

4.3 Skin contact Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay. Take off contaminated clothing and shoes immediately. NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation.

4.4 Ingestion Never give anything by mouth to an unconscious person. If a person vomits, when lying on his back, place him in the recovery position. Prevent aspiration of vomit. Turn victim's head to the side.

4.5 Inhalation If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

5. Fire Fighting Measures**5.1 Suitable extinguishing media**

Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
Dry sand
Limestone powder

5.2 Specific hazards

May generate ammonia gas. May generate toxic nitrogen oxide gases. Use of water may result in the formation of very toxic aqueous solutions. Do not allow run-off from fire fighting to enter drains or water courses. Incomplete combustion may form carbon monoxide. Downwind personnel must be evacuated. Burning produces obnoxious and toxic fumes.

5.3 Special protective equipment for fire-fighters

Avoid contact with the skin. A face shield should be worn. Use personal protective equipment. Wear self-contained breathing apparatus for fire fighting if necessary.

5.3 Further information

Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental Release Measures**6.1 Personal precautions**

Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

6.2 Environmental precautions

Construct a dike to prevent spreading.

6.3 Methods for cleaning up

Contact Equus Industries Ltd for advice. Approach suspected leak areas with caution. Place in appropriate chemical waste container.

6.4 Additional advice

Evacuate area and do not approach spilled product. If possible, stop flow of product.

7. Handling and Storage**7.1 Handling**

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use only in well-ventilated areas. Avoid breathing vapours and/or aerosols. Use personal protective equipment. When using, do not eat, drink or smoke.

7.2 Storage

Do not store near acids. Store in steel containers preferably located outdoors, above ground, and surrounded by dikes to contain spills or leaks. Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3 Technical measures/Precautions

Do not store in reactive metal containers.

8. Exposure Controls/Personal Protection

8.1 Engineering measures

Provide readily accessible eye wash stations and safety showers.

Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

8.2 Personal protective equipment

8.2.1 Respiratory protection Wear appropriate respirator when ventilation is inadequate.

8.2.2 Hand protection Butyl-rubber
 Nitrile rubber
 Neoprene gloves
 Impervious gloves
 PVC disposable gloves
 The breakthrough time of the selected glove(s) must be greater than the intended use period.

8.2.3 Eye protection Chemical resistant goggles must be worn.

8.2.4 Skin and body protection Long sleeve shirts and trousers without cuffs.

8.2.5 Environmental exposure Controls Construct a dike to prevent spreading.

8.2.6 Special instructions for protection and hygiene Discard contaminated leather articles. Provide readily accessible eye wash stations and safety showers. Wash at the end of each workshift and before eating, smoking or using the toilet.

9. Physical and Chemical Properties
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9.1 Form Viscous

9.2 Colour Light Yellow

9.3 Odour Ammoniacal

9.4 Relative density 1.00 (water = 1)

9.5 Vapour pressure Not determined

9.6 Density 1.00g/cm³ at 21°C

9.7 pH Alkaline

9.8 Boiling point/range Not determined

9.9 Flash Point > 93°C

9.10 Water solubility < 0.25 g/l

10. Stability and Reactivity

- 10.1 Stability** Stable under normal conditions
- 10.2 Materials to avoid** Sodium hypochlorite.
 CAUTION! N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations.
 Nitrous acids and other nitrosating agents.
 Reactive metals (e.g. sodium, calcium, zinc etc)
 Materials reactive with hydroxyl compounds.
 Organic acids (i.e. acetic acid, citric acid etc)
 Mineral acids
 Product slowly corrodes copper, aluminium, zinc and galvanized surfaces.
 Reaction with peroxides may result in violent decomposition or peroxide possibly creating an explosion.
 Oxidizing agents.
- 10.3 Hazardous decomposition products**
 Aldehydes
 Flammable hydrocarbon fragments (e.g. acetylene)
 Nitrosamine
 Nitrogen oxides (NOX)
 Nitrogen oxide can react with water vapours to form corrosive nitric acid
 Ammonia
 Nitric acid
 Carbon monoxide
 Carbon dioxide (CO₂)

11. Toxicological Information

11.1 Acute Health Hazard

- 11.1.1 Ingestion** LD50 : 1,000 mg/kg
 Species : Rat
- 11.1.2 Inhalation** No data is available on the product itself
- 11.1.3 Inhalation – Components**
 Benzyl alcohol LC50 (4h) : > 4.178 mg/l
 Species : Rat
- 11.1.4 Skin** LD50 : > 2,800 mg/kg
 Species : rabbit
- 11.1.5 Eye irritation/corrosion** Severe eye irritation
- 11.1.6 Acute dermal Irritation/corrosion** Severe skin irritation
- 11.1.7 Sensitization** May cause sensitization by skin contact

11.2 Chronic Health Hazard

Rates exposed orally to 800 mg/kg benzyl alcohol for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No Observed Adverse Effect Level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in a two-year study with rats and mice.

12. Ecological Information**12.1 Ecotoxicity effects**

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|---------------|--------------------------------|--|
| 12.1.1 | Aquatic toxicity | No data is available on the product itself |
| 12.1.2 | Toxicity to fish – Components | |
| | Benzyl alcohol | LC50 (96 h) : 10 mg/l Species : Bluegill sunfish
(Leopomis mecarochirus) |
| 12.1.3 | Benzyl alcohol | LC50 (96 h) : 460 mg/l Species : Fathead minnow
(Pimephales promelas) |
| 12.1.4 | Toxicity to algae – Components | |
| | Benzyl alcohol | LC60 (72 h) : 700 mg/l Species : Algae |

12.1.5 Toxicity to other organisms No data available

12.2 Persistence and degradability

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|---------------|------------------------------|---|
| 12.2.1 | Mobility | No data available |
| 12.2.2 | Bioaccumulation | No data is available on the product itself. |
| 12.2.3 | Bioaccumulation – Components | |
| | Benzyl alcohol | Low bioaccumulation potential |

13. Disposal Considerations

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|-------------|-------------------------------------|--|
| 13.1 | Waste from residues/unused Products | Contact supplier if guidance is required |
| 13.2 | Contaminated packaging | Dispose of container and unused contents in accordance with Federal, state and local requirements. |

14. Transport Information

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|-------------|----------------------|-----------------------------------|
| 14.1 | Proper shipping name | Amines, liquid, corrosive, n.o.s. |
| 14.2 | Hazard Class | 8 |
| 14.3 | UN/ID No. | UN2735 |
| 14.4 | Packing group | III |

15. Regulatory Information

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|-------------|------------------|--|
| 15.1 | Group Standard | HSR 002491 Additives, Process chemical and Raw Materials
(Corrosive) |
| 15.2 | Approved Handler | Not required |

16. Other Information**16.1 Class and GHS Classification:**

Acute Toxicity (oral)	Cat 4
Acute Toxicity (dermal)	Cat 5
Skin Corrosion/Irritation	Cat 1B
Serious Eye Damage/Eye Irritation	Cat 1
Skin Sensitisation	Cat 1
STOT (Repeat Exposure)	Cat 1
Hazardous to aquatic environment (acute)	Cat 1
Hazardous to aquatic environment (chronic)	Cat 1

16.2 Abbreviations/Terminology:

HSNO	Hazardous substances and New Organisms Act
CAS	Chemical Abstract Service
LD50, LC50	Lethal dose/Lethal Concentration – Dose or concentration required to produce the specified effect in 50% of the sample studied.
EC50	Half maximal effective concentration.
IC50	Half maximal concentration inhibiting a specific biological or biochemical fraction.

16.3 Issue Information:

Date of Preparation:	15 June 2023
Reasons:	Update and format change
Replaces:	26 August 2015

16.4 The information contained in this Data Sheet relates only to the specific material identified. Equus Industries Ltd believes the information to be accurate and reliable as at the date of this Data Sheet. No Warranty, Guarantee or representation is expressed or implied by the Company as to the absolute correctness or completeness of any representation contained in this Data and assumes no legal responsibility in connection therewith. It can not be assumed that all acceptable safety measures are contained in this Data Sheet, or that additional measures may not be required under particular or exceptional circumstances or conditions.