

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

Product name: EPOMAST BEDDING HARDENER
Product code: EPH09
Synonyms: CA 571
Company name: Adomast Building Chemicals Ltd
Unit G
Lea Road Trading Estate
Waltham Abbey
Essex
EN9 1AE
Tel: 01992 710684
Fax: 01992 712813

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: 4,4'-DIAMINODIPHENYLMETHANE 30-50%
EINECS: 202-974-4 CAS: 101-77-9
[T] R45; [T] R39/23/24/25; [Sens.] R43; [Xn] R48/20/21/22; [Xn] R68; [N] R51/53

- PHENOL 1-10%
EINECS: 203-632-7 CAS: 108-95-2
[T] R23/24/25; [C] R34; [Xn] R48/20/21/22; [Xn] R68

Contains: 4,4 Di Amino Di Phenol Methane CAS 101-77-9
Tar Acid CAS 84989-05-9

3. HAZARDS IDENTIFICATION

Main hazards: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Irritating to eyes and skin. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin. May cause sensitisation by skin contact. May cause cancer. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of irreversible effects.

Other hazards: May cause sensitisation by skin contact. May cause cancer. Irritating to eyes. Irritating to skin. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Possible risk of irreversible effects.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be redness or whiteness of the skin in the area of exposure. Irritation or pain may occur at the site of contact.

Eye contact: There may be severe pain. The eyes may water profusely.

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Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. There may be loss of consciousness.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove affected person from source of contamination - Wash skin with soap and water as soon as reasonably practicable. remove heavily contaminated clothing for laundering and wash underlying skin. Get medical attention if irritation persists after washing -

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention immediately. Do not induce vomiting. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: Toxic. In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Notify the police and fire brigade immediately. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is exhaust ventilation of the area. Avoid the formation or spread of mists in the air.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: 4,4'-DIAMINODIPHENYLMETHANE
WEL (8 hr exposure limit): 0.08 mg/m3

- PHENOL

WEL (8 hr exposure limit): 2 ppm

Engineering measures: All handling to take place in well ventilated areas.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Wear face visor or protective goggles/safety glasses where eye contact can accidentally occur.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Dark brown

Odour: Phenolic

Solubility in water: Insoluble

Viscosity: Viscous

Viscosity value: 10 Poise

Boiling point/range°C: 200

Flash point°C: >150

Relative density: 1.13

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Hot surfaces. Flames.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: 4,4'-DIAMINODIPHENYLMETHANE

ORL MUS LD50 264 mg/kg

ORL RAT LD50 517 mg/kg

SCU RAT LD50 200 mg/kg

- PHENOL

ORL MUS LD50 270 mg/kg

ORL RAT LD50 317 mg/kg

SCU RAT LD50 460 mg/kg

Chronic toxicity: Known or suspected carcinogen for humans.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION**Mobility:** Readily absorbed into soil.**Persistence and degradability:** Biodegradable.**Bioaccumulative potential:** No bioaccumulation potential.**Other adverse effects:** Negligible ecotoxicity.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** May be disposed of by incineration, land fill or other suitable means approved by Local Authority.

See accidental release measures

Disposal of packaging: Dispose of in accordance with Local Authority requirements.**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****ADR / RID****UN no:** 2810**ADR Class:** 6.1**Packing group:** III**Classification code:** T1**Shipping name:** TOXIC LIQUID, ORGANIC, N.O.S. (4,4'-DIAMINODIPHENYLMETHANE; DISTILLATE PHENOLS - TAR ACIDS, POLYALKYLPHENOL FRACTION)**Labelling:** 6.1**Hazard ID no:** 60**IMDG / IMO****UN no:** 2810**Class:** 6.1**Packing group:** III**EmS:** F-A,S-A**Marine pollutant:** .**Labelling:** 6.1**IATA / ICAO****UN no:** 2810**Class:** 6.1**Packing group:** III**Packing instructions:** 611(P&CA); 618(CAO)**Labelling:** 6.1**15. REGULATORY INFORMATION****Hazard symbols:** Toxic.

Dangerous for the environment.

**Risk phrases:** R48/20/21/22: Harmful: danger of serious damage to health by prolonged exposure through

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inhalation, in contact with skin and if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R36/38: Irritating to eyes and skin.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R48/20/21: Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin.

R43: May cause sensitisation by skin contact.

R45: May cause cancer.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R68: Possible risk of irreversible effects.

Safety phrases: S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27: Take off immediately all contaminated clothing.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53: Avoid exposure - obtain special instructions before use.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S57: Use appropriate container to avoid environmental contamination.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

Restricted to professional users.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R45: May cause cancer.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R43: May cause sensitisation by skin contact.

R48/20/21/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

R68: Possible risk of irreversible effects.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

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environment.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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

Product name: EPOXY RESIN

Product code: RES08

Synonyms: NPEF-164X

Use / description of product: Irritant.

Company name: Adomast Building Chemicals Ltd
Unit G
Lea Road Trading Estate
Waltham Abbey
Essex
EN9 1AE
Tel: 01992 710684
Fax: 01992 712813

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains: Bisphenol A type epoxy resin CAS 25068-38-6
Bisphenol F type epoxy resin CAS 28064-14-4
C12-C14 Aliphatic glycedyl ether CAS 68609-97-2

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin. May cause sensitisation by skin contact.

Other hazards: Irritating to eyes. Irritating to skin. May cause sensitisation by skin contact.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water and obtain medical attention.

Inhalation: If inhalation of mists, fumes or vapour causes irritation of the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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EPOXY RESIN

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Keep away from heat, sparks and open flames.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Pale yellow

Odour: Characteristic odour

Solubility in water: Insoluble

Viscosity: Viscous

Boiling point/range°C: >200

Flash point°C: >150

Relative density: 1.12

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Avoid heat, flames and other sources of ignition.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: EPOXY RESIN

ORL RAT LD50 10000-11400 mg/kg

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Not biodegradable.

Bioaccumulative potential: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Dispose of via an authorised person / licensed waste disposal contractor in accordance with local regulations.

See accidental release measures

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: -

Shipping name: NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

IMDG / IMO

UN no: -

IATA / ICAO

UN no: -

15. REGULATORY INFORMATION

Hazard symbols: Irritant.



Risk phrases: R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of ...

S37/39: Wear suitable gloves and eye / face protection.

Precautionary phrases: Contains epoxy constituents. See information supplied by the manufacturer.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.