

COMPANY

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1. Identification of the product

Name of the product: Chester Metal Super AL
Application: Two component epoxy composite system

2 Hazard identification**Base:**

Liquid epoxy resin
(the average molecular weight 700) (CAS: 25068-38-6) <25% Xi; R36/38; R43, R52/53

Reactor:

Mannich base <25%
Triethylenetetramine (CAS: 112-24-3) <25% C; R34; R43

3. Composition and information on ingredients**Symbols of danger**

Xi – Irritant

C – Corrosive

Indications of danger

R34 – Cause burns

R36/38 – Irritant for eyes and skin

R43 – May cause sensitization by skin contact

R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First aid measures

Take off the dirty clothes,

In the case of a contact with the skin, clean it with a paper towel or liglin, and wash with water and soap,

In the case of swallowing it call a doctor and show this container or label.

In the case of the substance getting into the eyes, wash them with a big quantity of water and direct the victim to an ophthalmologist.

5. Fire-fighting measures**Suitable extinguishing media:**

sand, water, foam, powder or snow extinguishers

Specific hazards:

nitric oxides, carbon monoxide and dioxide

6. Accidental release measures

Personal precautions: According to section 8.

Environmental precautions: Gather the majority of the product into a suitable labelled container. Refer to disposal methods listed in section 13. Prevent product entering drains or sewers; watercourses, surface water drains

7. Handling and storage**Procedure with the product:**

Mixing the Base and the Reagent causes irrevocable hardening of the composition.

Protect eyes, skin and cloths from contact with the product. During use provide ventilation. After application, wash hands with water and soap.

Storage:

Transport it only with covered transportation means.

The storage temperature: -20°C - +40°C.

Keep and transport it in a vertical position.

Special protection measures from fire and explosion are not needed.

8. Exposure controls / personal protection**Exposure Limits:**

(CAS: 25068-38-6) – N.A.

(CAS: 112-24-3) – N.A.

Mannich base – N.A.

Respiratory Protection:

Not required

Hand protection:

Protective gloves - in cases of long-lasting usage if big quantities of the product

Eye protection:

Protective glasses - in cases of spatters

Skin protection:

Lab coat or other work clothing to prevent skin exposure

**CHESTER METAL
SUPER AL**Research and Development Department
December 2005**Others:**

Protective clothing

Engineering Controls

Provide ventilation in a place of work.

9. Physical and chemical properties

Form	Paste
Color	Base: dark gray Reactor: light gray to gray
Odor	Base: characteristic, slightly noticeable Reactor: amino hydrate
Density after cure	2.0 g/cm ³
Density: Base	2.2 g/cm ³
Density: Reactore	1.6 g/cm ³
Ignition temperature	>350 °C
Autoignition temperature	N.A.
Reactivity	N.A.
Explosion limits	N.A.
Corrosivity	N.A.

10. Stability and reactivity**Stability**

Stable under normal storage condition

Dangerous decomposition products:

None if applied and stored according to recommendations.

11. Toxicological information

CAS: 25068-38-6

Inhalation LC₅₀ : N.ASkin contact LD₅₀ : N.AIngestion LD₅₀ : N.A.

Irritant for eyes and skin; May cause sensitization in case of contact with skin.

CAS: 112-24-3

Inhalation LC₅₀ : N.ASkin contact LD₅₀ : (rabbit) 805 mg/kgIngestion LD₅₀ : (rat) 2500 mg/kg

Cause burns. Harmful in contact with skin and if swallowed.

12. Ecological information**Base:**

The product is insoluble in water. Harmful to aquatic organisms. The product should not be allowed to enter drains or watercourses, ground or surface waters.

Reactor:Ecotoxicity LC₅₀ : (Daphnia magna, 48h) 40 mg/dm³LC₅₀ : (Fish, 96h) 330 mg/dm³

Harmful to aquatic organisms. The product should not be allowed to enter drains or watercourses, ground or surface waters.

13. Disposal considerations**Product:**

Not hardened wastes should be utilized according to valid regulations, seeking first of all any possibility of their reutilization.

waste code 08 04 99

Packages:

paperboard

waste code 15 01 01

LDPE No. 4

waste code 15 01 02 (can be recycled)

14. Transport information

Material does not pose any threat in transport, is not a subject to the provisions of RID / ADR. Product can be transported using any covered vehicle. Product must be closed tightly in original packages.

15. Regulatory information

Base:

Xi - Irritant

Contains: Liquid epoxy resin (the average molecular weight \leq 700)



Xi

Determination of the type of the danger:

R36/38 – Irritant for eyes and skin

R43 – May cause sensitization by skin contact.

R52/53 – Harmful to aquatic organisms, may cause long-term adverse

Determination of a correct handling of the product:

S1/2- Keep locked up and out of the reach of children.

S28 – After contact with skin, wash immediately with plenty of water

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

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

Reactor:

Xi - Irritant

Contains: Triethylenetetramine



Xi

Determination of the type of the danger:

R36/38 – Irritant for eyes and skin

R43 – May cause sensitization by skin contact.

Determination of a correct handling of the product:

S1/2- Keep locked up and out of the reach of children.

S28 – After contact with skin, wash immediately with plenty of water

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

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

16. Other information

It is the newest version of the Safety Data Sheet for the material. The information contained in the card are not technical data. It cannot be interpreted as a guarantee of its properties. The user's duty includes the checking of the usefulness of the product for certain applications and an assurance of a safe work position, as well as the observance of all valid legal regulations.