

**Ident-No: XB 5032 B HARDENER**

Version 5  
Revision Date 22.03.2009

Print Date 09.04.2009

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

### Product information

Trade name : XB 5032 B HARDENER

Use : Adhesive for nautical applications

Company : Huntsman Advanced Materials (Europe)BVBA  
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## 2. HAZARDS IDENTIFICATION

Irritating to eyes and skin.  
May cause sensitization by skin contact.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical nature

Formulated polyaminoamide preparation

### Hazardous components

Chemical Name	CAS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
triethylenetetramine EC-No.: 203-950-6	112-24-3	C	R21 R34 R43 R52/53	5.00 - 9.00
benzyl alcohol EC-No.: 202-859-9	100-51-6	Xn	R20/22	1.00 - 5.00

## 4. FIRST AID MEASURES

Inhalation : Move to fresh air.  
If symptoms persist, call a physician.

Eye contact : Rinse immediately with plenty of water for at least 15 minutes.  
Call a physician immediately.

Skin contact : Wash off with soap and plenty of water.  
If skin irritation persists, call a physician.

Ingestion : Immediately give plenty of water (if possible charcoal slurry).  
Do not induce vomiting.

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Obtain medical attention.

## 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray.  
Carbon dioxide (CO<sub>2</sub>).  
Foam.  
Dry powder.
- Extinguishing media which must not be used for safety reasons : High volume water jet.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus and protective suit.
- Further information : Burning produces obnoxious and toxic fumes.  
Carbon oxides.  
Nitrogen oxides.

## 6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions : Do not allow material to contaminate ground water system.  
Prevent product from entering drains.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Sweep up and shovel into suitable containers for disposal.

## 7. HANDLING AND STORAGE

### Handling

- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.  
Ensure adequate ventilation.  
Handle and open container with care.

### Storage

- Further information on storage conditions : Keep away from food, drink and animal feeding stuffs.  
Keep container tightly closed.  
Keep at temperatures between 2 and 40 °C.
- Storage hazard class : Storage class 12, Liquids, not dangerous
- Huntsman Advanced Materials

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis
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### Personal protective equipment

- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.  
Filter type AX-P2 (organic vapours, particles)
- Eye protection : Tightly fitting safety goggles.  
Face-shield.
- Hand protection : Material of gloves for long term application (BTT>480 min):  
Butyl rubber  
Ethyl Vinyl Alcohol Laminate (EVAL)  
Material of gloves for short term/splash application (10 min<BTT<480 min):  
Nitrile rubber  
Neoprene rubber  
Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US).  
Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.  
Additional information can be found for instance at [www.gisbau.de](http://www.gisbau.de)
- Skin and body protection : Protective suit.  
Safety shoes.
- Protective measures : Keep away from sources of ignition - No smoking.  
Avoid contact with skin, eyes and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : paste
- Colour : blue
- Odour : amine-like
- Thermal decomposition : > 200 °C
- Flash point : > 100 °C  
Method: DIN 51758 (Pensky-Martens Closed Cup)
- Density : 1.22 - 1.32 g/cm<sup>3</sup>  
at 25 °C

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Water solubility : < 100 g/l  
at 20 °C  
Note: soluble

Miscibility with water : miscible  
at 20 °C

## 10. STABILITY AND REACTIVITY

Conditions to avoid : Note: Take necessary action to avoid static electricity discharge.

Materials to avoid : Strong acids and strong bases.  
Strong oxidizing agents.

Hazardous decomposition products : Carbon oxides.  
Nitrogen oxides. Burning produces obnoxious and toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat  
Dose: > 2,000 mg/kg

Eye irritation : irritating  
rabbit

Skin irritation : irritating  
rabbit  
dermal

Sensitization : Causes sensitization.  
guinea pig  
dermal

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

### Further information on ecology

Additional ecological information : Avoid subsoil penetration.  
Prevent product from entering drains.  
Do not contaminate surface water.

## 13. DISPOSAL CONSIDERATIONS

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Product : Waste Key Number: 070204  
Must be incinerated, when in compliance with local regulations.

Container : Empty containers can be landfilled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

## 14. TRANSPORT INFORMATION

### Land transport

*ADR:*

Regulation: Not dangerous goods

*RID:*

Regulation: Not dangerous goods

### Sea transport

*IMDG:*

Regulation: Not dangerous goods

### Air transport

*IATA-DGR:*

Regulation: Not dangerous goods

## 15. REGULATORY INFORMATION

### Labelling according to EEC Directive

Labelling required

Symbol(s) : Xi Irritant

R-phrases : R36/38 Irritating to eyes and skin.  
R43 May cause sensitization by skin contact.

S-phrases : S24/25 Avoid contact with skin and eyes.

Hazardous components which must be listed on the label : triethylenetetramine  
EC-No.: 203-950-6

### National legislation

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**Notification status**

- : EINECS yes
- : TSCA yes
- : DSL yes
- : AICS yes
- : KECI (KR) yes
- : JEX (JP) no

**16. OTHER INFORMATION**

**List of R-phrases (Section 3)**

R20/22	Harmful by inhalation and if swallowed.
R21	Harmful in contact with skin.
R34	Causes burns.
R43	May cause sensitization by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The provision of Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974. Users of products supplied by Huntsman Advanced Materials should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).

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