



## SAFETY DATA SHEET

### Altro Coat standard clear hardener

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name**                      Altro Coat standard clear hardener

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses**                      Amine hardener for epoxy base - Industrial flooring & wall coatings

##### 1.3. Details of the supplier of the safety data sheet

**Supplier**                              Altro Resin Systems Ltd  
 Unit 3 Station Rd Industrial Estate  
 Maiden Newton  
 Dorchester  
 Dorset  
 DT2 0AE  
 Tel: 01300320620  
 Fax: 01300321122

info@altro.com

##### 1.4. Emergency telephone number

**Emergency telephone**              +44(0)1462480480 (Monday-Friday 09.00-17.00)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards**                      Not Classified  
**Health hazards**                      Eye Dam. 1 - H318  
**Environmental hazards**              Not Classified

**Classification (67/548/EEC or 1999/45/EC)**              -

**Human health**                      See Section 16 for the full text of the R phrases declared on this section  
**Environmental**                      See Section 16 for the full text of the R phrases declared on this section

##### 2.2. Label elements

###### Pictogram



**Signal word**                              Danger  
**Hazard statements**                      H318 Causes serious eye damage.

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<b>Precautionary statements</b>	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor.
<b>Contains</b>	Polymer, reaction product of BADGE/glycidylether with TEPA

### 2.3. Other hazards

Not relevant.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Polymer, reaction product of BADGE/glycidylether with TEPA	30-60%
CAS number: 155240-10-1	
<b>Classification</b> Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R41.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove casualty from exposure ensuring one's own safety whilst doing so
<b>Ingestion</b>	Wash out mouth with water. Transfer to hospital as soon as possible
<b>Skin contact</b>	Drench the affected skin with running water for 10 minutes or longer if substance is still on skin
<b>Eye contact</b>	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	There may be irritation of the throat with a feeling of tightness in the chest
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips
<b>Skin contact</b>	An itchy rash may occur at the site of contact
<b>Eye contact</b>	There may be irritation and pain

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
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### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> . Oxides of carbon.
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### 5.3. Advice for firefighters

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**Protective actions during firefighting** NOTE! Use air-supplied respirators to protect against gases/fumes. Use special protective clothing. Regular protection may not be safe.  
Keep run-off water out of sewers and water sources. Dike for water control.

**Special protective equipment for firefighters** Face mask, protective gloves and safety helmet. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** For personal protection, see section 8. Eliminate all sources of ignition.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains, water courses or onto the ground. Contain the spillage using bunding

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method

#### 6.4. Reference to other sections

**Reference to other sections** The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12 as well. For waste disposal, see section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling, skin and eye contact. Avoid contact with skin and eyes. Contaminated clothing and shoes must be discarded. Ensure there is sufficient ventilation of the area

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in cool, well ventilated area. Keep container tightly closed.

**Storage class** Chemical storage. Corrosive storage.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

**Ingredient comments** WEL = Workplace Exposure Limits No exposure limit value known for the mixture

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

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<b>Hand protection</b>	Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Perceptible odour
<b>Solubility(ies)</b>	Miscible with water.
<b>Partition coefficient</b>	No data available

#### 9.2. Other information

<b>Other information</b>	Not available.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not available.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Heat, flames and sparks
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Reactive metals (e.g. sodium, calcium, zinc etc.). Materials reactive with hydroxyl compounds. Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids. Sodium hypochlorite. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agents.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Nitric acid (HNO <sub>3</sub> ). Ammonia. Nitrogen oxides (NO <sub>x</sub> ) Nitrogen oxide can react with water vapors to form corrosive nitric acid Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). Aldehydes. Flammable hydrocarbon fragments
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** No data is available on the product itself

##### Serious eye damage/irritation

**Serious eye damage/irritation** Not available.

##### Skin sensitisation

**Skin sensitisation** Dermal sensitization to this product or components has been seen in some humans. Components of this product have been found to cause mild skin sensitization in guinea pigs.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** The product or a component may be mutagenic, the data is inconclusive.

##### Carcinogenicity

**Carcinogenicity** Not available

##### Reproductive toxicity

**Reproductive toxicity - fertility** No data is available on the product itself

##### Specific target organ toxicity - single exposure

**STOT - single exposure** Eye disease. Skin disorders and allergies. Neurological disorders.

**Target organs** Skin Eyes Central nervous system

##### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Rats 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 Adversed Effect Level (NOAL) was 400 mg/kg. No evidence of carcinogenicity was seen in a two-year study with rats and mice. This product contains listed carcinogen(s) according to Directive 67/548/EEC, IARC, ACGIH and/or NTP in concentrations of 0.1 percent of greater. May cause allergic skin reaction.

##### Aspiration hazard

**Aspiration hazard** no data available

##### **Inhalation**

Can cause severe eye, skin and respiratory tract burns. May cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Severe cases of overexposure can result in respiratory failure.

##### **Ingestion**

If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach. Harmful if swallowed.

##### **Skin contact**

Causes skin burns. If absorbed through the skin, may cause central nervous system effects, such as headache, nausea, dizziness, confusion, breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Harmful in contact with skin.

##### **Eye contact**

Corneal edema may give rise to a perception of "blue haze" or "fog" around lights. Exposed individuals may see rings around bright lights. This effect is temporary and has no known residual effect. Product vapor can cause glaucopsia (corneal edema) when absorbed into the tissue of the eye from the atmosphere. Causes eye burns. May cause blindness.

### SECTION 12: Ecological Information

#### 12.1. Toxicity

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**Toxicity** No data is available on the product itself

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data is available on the product itself.

**Partition coefficient** No data available

### 12.4. Mobility in soil

**Mobility** Not available

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** Not available

### 12.6. Other adverse effects

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The product should not be allowed to enter drains, water courses or the soil; dispose of this material and its container in a safe way. Contact supplier if guidance is required.

**Disposal methods** Dispose of container and unused contents in accordance with federal, state, and local requirements.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG(108). Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision date</b>	16/09/2016
<b>Revision</b>	2
<b>SDS number</b>	21327
<b>Hazard statements in full</b>	H318 Causes serious eye damage.