



SAFETY DATA SHEET
ALTROSIELD SEAL CLEAR BASE

Page 1
Issued: 03/03/2008
Revision No: 1

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

Product name: ALTROSIELD SEAL CLEAR BASE
Product code: SSC5B000
Use of substance / preparation: Epoxy Resin Flooring Material
Company name: Altro Resins
Unit 3, Station Road Industrial Estate
Maiden Newton
Dorchester
Dorset
DT2 0AE
Tel: 01300 320620
Fax: 01300 321122
Email: info@altro.com

2. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: 1-METHOXY-2-PROPANOL 1-10%
EINECS: 203-539-1 CAS: 107-98-2
[-] R10

- BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} 30-50%
EINECS: 500-033-5 CAS: 25068-38-6
[Xi] R36/38; [Sens.] R43; [N] R51/53
- BENZYL ALCOHOL 1-10%
EINECS: 202-859-9 CAS: 100-51-6
[Xn] R20/22

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: Nausea and stomach pain may occur.
Inhalation: May cause slight nausea in confined spaces

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.
Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Hazardous ingredients:** 1-METHOXY-2-PROPANOL
WEL (8 hr TWA): 375 mg/m³ WEL (15 min STEL): 560 mg/m³
- Engineering measures:** Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.
- Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.
- 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:** Colourless
- Odour:** Barely perceptible odour
- Evaporation rate:** Negligible
- Oxidising:** Non-oxidising (by EC criteria)
- Solubility in water:** Insoluble
- Also soluble in:** Most organic solvents.
- Viscosity:** Viscous
- Flash point°C:** >100

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Heat.
- Materials to avoid:** Amines.
- Haz. decomp. products:** In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients:** 1-METHOXY-2-PROPANOL
IVN RAT LD50 4200 mg/kg
ORL MUS LD50 11700 mg/kg
ORL RAT LDLO 3739 mg/kg
- BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}
ORL MUS LD50 15600 mg/kg
ORL RAT LD50 11400 mg/kg
SKN RBT LD50 >20 ml/kg
 - BENZYL ALCOHOL
IVN RAT LD50 53 mg/kg
ORL MUS LD50 1360 mg/kg
ORL RAT LD50 1230 mg/kg
- Chronic toxicity:** May cause sensitisation by skin contact.
- 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:** Bioaccumulation potential.
- Other adverse effects:** Toxic to aquatic organisms. Toxic to soil organisms.

13. DISPOSAL CONSIDERATIONS

- 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:** 3082 **ADR Class:** 9
- Packing group:** III **Classification code:** M6
- Shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT})
- Labelling:** 9 **Hazard ID no:** 90



IMDG / IMO

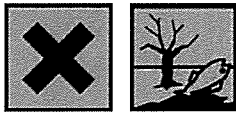
UN no: 3082	Class: 9
Packing group: III	EmS: F-A,S-F
Marine pollutant: .	
Labelling: 9	

IATA / ICAO

UN no: 3082	Class: 9
Packing group: III	
Packing instructions: 914	
Labelling: 9	

15. REGULATORY INFORMATION

Hazard symbols: Irritant.
Dangerous for the environment.



Risk phrases: R36/38: Irritating to eyes and skin.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S24: Avoid contact with skin.
S37: Wear suitable gloves.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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

Other information: This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

Risk phrases used in s.3: R10: Flammable.
R36/38: Irritating to eyes and skin.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R20/22: Harmful by inhalation and if swallowed.

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.



SAFETY DATA SHEET
ALTROSHIELD SEAL CLEAR HARDENER

Page 1
Issued: 03/10/2007
Revision No: 1

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

Product name: ALTROSHIELD SEAL CLEAR HARDENER
Product code: SSC5H
Synonyms: HARDENER G
Company name: Altro Resins
Unit 3, Station Road Industrial Estate
Maiden Newton
Dorchester
Dorset
DT2 0AE
Tel: 01300 320620
Fax: 01300 321122
Email: info@altro.com

2. HAZARDS IDENTIFICATION

Main hazards: Harmful by inhalation, in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: BENZYL ALCOHOL 30-50%
EINECS: 202-859-9 CAS: 100-51-6
[Xn] R20/22

- 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL 1-10%
EINECS: 202-013-9 CAS: 90-72-2
[Xn] R22; [Xi] R36/38
- NONYLPHENOL 10-30%
EINECS: 246-672-0 CAS: 25154-52-3
[Xn] R62; [Xn] R63; [Xn] R22; [C] R34; [N] R50/53
- KEROSENE - UNSPECIFIED - DISTILLATES (PETROLEUM),
HYDROTREATED LIGHT 1-10%
EINECS: 265-149-8 CAS: 64742-47-8
[Xn] R65; [N] R51/53
- 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE 30-50%
EINECS: 220-666-8 CAS: 2855-13-2
[Xn] R21/22; [C] R34; [Sens.] R43; [-] R52/53

4. FIRST AID MEASURES (SYMPTOMS)

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

4. FIRST AID MEASURES (ACTION)

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

5. FIRE-FIGHTING MEASURES

Extinguishing media: Dry chemical powder. Alcohol resistant foam. Carbon dioxide. Water spray.
Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides.
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:** Refer to section 8 of SDS for personal protection details. Eliminate all sources of ignition.
- 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.
- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.
- Suitable packaging:** Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures:** Ensure there is sufficient ventilation of the area.
- Hand protection:** Protective gloves.
- Eye protection:** Tightly fitting safety goggles.
- Skin protection:** Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Yellow-brown
- Odour:** Perceptible odour
- Evaporation rate:** Slow
- Oxidising:** Non-oxidising (by EC criteria)

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Direct sunlight. Heat.
- Materials to avoid:** Strong acids. Strong bases. Strong oxidising agents.
- Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide. In combustion emits toxic fumes of nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients:** BENZYL ALCOHOL
IVN RAT LD50 53 mg/kg
ORL MUS LD50 1360 mg/kg
ORL RAT LD50 1230 mg/kg
- 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL
ORL RAT LD50 1200 mg/kg
SKN RAT LD50 1280 mg/kg
 - NONYLPHENOL
ORL MUS LD50 1231 mg/kg
ORL RAT LD50 580 mg/kg
- Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

- Mobility:** Soluble in water.
- Persistence and degradability:** No data available.
- Bioaccumulative potential:** No data available.
- Other adverse effects:** Harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

- Disposal operations:** Cured Material may be disposed of as plastic waste, uncured material and containers must be disposed of in accordance to local council regulations.
- Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
- 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: 3267

ADR Class: 8

Packing group: III
Shipping name: Corrosive Liquid, Basic Organic Liquid

IMDG / IMO

UN no: 3267 **Class:** 8
Packing group: III **Marine pollutant:** Yes

IATA / ICAO

UN no: 3267 **Class:** 8

15. REGULATORY INFORMATION

Hazard symbols: Dangerous for the environment.
Corrosive.



Risk phrases: R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R34: Causes burns.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62: Possible risk of impaired fertility.
R63: Possible risk of harm to the unborn child.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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).
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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

Other information: This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

Risk phrases used in s.3: R20/22: Harmful by inhalation and if swallowed.
R22: Harmful if swallowed.
R36/38: Irritating to eyes and skin.
R62: Possible risk of impaired fertility.
R63: Possible risk of harm to the unborn child.
R34: Causes burns.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R21/22: Harmful in contact with skin and if swallowed.
R43: May cause sensitisation by skin contact.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.