



SAFETY DATA SHEET

Altro Expand coloured/Altro Expand vertical base

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

1.1. Product identifier

Product name Altro Expand coloured/Altro Expand vertical base

Product number E_B_ _ _ ; EV_B_ _ _

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

Identified uses Epoxy Base - Industrial flooring & wall coatings

Uses advised against Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Manufacturer	Altro Resin Systems Ltd Unit 3 Station Rd Industrial Estate Maiden Newton Dorchester Dorset, United Kingdom DT2 0AE Tel: +44(0)1300320620 Fax: 01300321122	Altro GmbH Ebertallee 209 06846 Dessau-Roßlau Germany Tel: +49(0)3406500-0
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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 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements	<p>P261 Avoid breathing vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	Reaction product: bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW <= 700), OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS, Cashew nutshell extract
Supplementary precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P391 Collect spillage.</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Reaction product: bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW <= 700)	10-30%
CAS number: 25068-38-6 EC number: 500-033-5 REACH registration number: 01-2119456619-26-XXXX	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	
OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS	10-30%
CAS number: 68609-97-2 EC number: 271-846-8 REACH registration number: 01-2119454392-40-XXXX	
Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317	
Bis(isopropyl)naphthalene	5-10%
CAS number: 38640-62-9 EC number: 254-052-6 REACH registration number: 01-2119565150-48-XXXX	
Classification Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413	

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Phenol Formaldehyde Polymer Glycidyl Ether 1-5% CAS number: 28064-14-4 REACH registration number: 01-2119485289-22-XXXX
Classification Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411
Cashew nutshell extract 1-5% CAS number: 8007-24-7 REACH registration number: 01-2119502450-57-XXXX
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1A - H317

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	If in doubt, get medical attention promptly.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If in doubt, get medical attention promptly.
Ingestion	Give plenty of water to drink. Remove person to fresh air and keep comfortable for breathing. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if symptoms are severe or persist.
Eye contact	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

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

General information	Treat symptomatically.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Carbon dioxide or dry powder. Water spray, fog or mist.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
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5.3. Advice for firefighters

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Protective actions during firefighting	Do not use water jet as an extinguisher, as this will spread the fire. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing and gloves.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with non-combustible, absorbent material. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of contents/container in accordance with local regulations. Provide adequate ventilation.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Do not handle until all safety precautions have been read and understood. Keep container tightly sealed when not in use. Provide adequate ventilation. Avoid breathing gas, fume, vapours or spray.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container. Store in a cool dry place. Protect from frost.

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 No exposure limit value known for the mixture

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/face protection

Wear eye protection.

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Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Frequent changes are recommended. Only use chemical-protective gloves with CE-labelling of category III. To minimise the wetness in the glove due to perspiration changing of gloves during a shift is required. Check the permeability prior to each renewed use of the glove. Preventive skin protection by use of skin-protecting agents is recommended. Material of gloves: Nitrile rubber, NBR; Fluorocarbon rubber (Viton); Recommended thickness of the material: ≥ 0.5 mm. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application; Penetration time of glove: The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. As protection from splashes gloves made of the following materials are suitable: PVC gloves. Not suitable are gloves made of the following materials: Leather gloves, Strong gloves.
Other skin and body protection	Avoid contact with skin. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures	Promptly remove any clothing that becomes contaminated. Wash hands thoroughly after handling. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Coloured liquid.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Strong oxidising agents.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat.

10.5. Incompatible materials

Materials to avoid Avoid contact with acids and alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products None at ambient temperatures.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 13,623.98

Acute toxicity - dermal

ATE dermal (mg/kg) 29,972.75

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Not available.

12.2. Persistence and degradability

Persistence and degradability Not expected to be readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility No information available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No data available.

12.6. Other adverse effects

Other adverse effects Not determined. Dangerous for the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

UN No. (ADN) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Reaction product: bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW <= 700), Phenol Formaldehyde Polymer Gylcidyl Ethter)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Reaction product: bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW <= 700), Phenol Formaldehyde Polymer Gylcidyl Ethter)

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Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Reaction product: bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW <= 700), Phenol Formaldehyde Polymer Glycidyl Ether)

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS Reaction product: bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW <= 700), Phenol Formaldehyde Polymer Glycidyl Ether)

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(-)

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

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

Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

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

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EU legislation 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).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service.
GHS: Globally Harmonized System.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

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Revision date 07/12/2020

Revision 4

Supersedes date 17/05/2018

SDS number 21379

Hazard statements in full H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.