

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Altro Tect Vertical Clear Base  
Product code : TTVC2B000  
Product group : End product

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Use of the substance/mixture : Epoxy Base - Industrial flooring & wall coatings

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

Altro Resin Systems  
Unit 3 Station Road Industrial Estate  
Station Road  
GB- DT2 0AE Maiden Newton Dorchester  
T 01300 320620  
[sds@altro.com](mailto:sds@altro.com) - [www.altro.com](http://www.altro.com)

##### Other

Altro GmbH  
Ebertallee 209  
06846 Dessau-Roßlau  
DE  
T +49 (0) 340 6500-0

#### 1.4. Emergency telephone number

Emergency number : 01462 480480  
Monday - Friday 09:00-17:00

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Reproductive toxicity, Category 1B	H360
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS08

GHS09

Signal word (CLP) :

Danger

Contains :

N-METHYL-2-PYRROLIDONE; Bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW ≤ 700 )

Hazard statements (CLP) :

H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Precautionary statements (CLP)	: H319 - Causes serious eye irritation. H360 - May damage fertility or the unborn child. H411 - Toxic to aquatic life with long lasting effects. P201 - Obtain special instructions before use. P261 - Avoid breathing spray, vapours. P264 - Wash Skin or affected areas thoroughly after handling. P280 - Wear protective clothing, eye protection, face protection, protective gloves. P308+P313 - IF exposed or concerned: Get medical advice/attention. P321 - Specific treatment (see supplemental first aid instruction on this label). P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P391 - Collect spillage.
--------------------------------	---

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Component	
N-METHYL-2-PYRROLIDONE (872-50-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW $\leq 700$ ) (25068-38-6)	The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %
1-Methoxypropan-2-ol(107-98-2)	The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %
N-METHYL-2-PYRROLIDONE(872-50-4)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW $\leq 700$ )	CAS-No.: 25068-38-6 EC-No.: 500-033-5 EC Index-No.: 603-074-00-8 REACH-no: 01-2119456619-26	$\geq 75$	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
BENZYL ALCOHOL	CAS-No.: 100-51-6 EC-No.: 202-859-9 EC Index-No.: 603-057-00-5 REACH-no: 01-2119492630-38	≥ 10 – < 15	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h)
1-Methoxypropan-2-ol substance with national workplace exposure limit(s) (GB)	CAS-No.: 107-98-2 EC-No.: 203-539-1 EC Index-No.: 603-064-00-3	≥ 3 – < 5	Flam. Liq. 3, H226 STOT SE 3, H336
Aerosil R208 substance with national workplace exposure limit(s) (GB)	CAS-No.: 67762-90-7	≥ 1 – < 3	Not classified
N-METHYL-2-PYRROLIDONE substance listed as REACH Candidate (1-Methyl-2-pyrrolidone (NMP)) substance with national workplace exposure limit(s) (GB)	CAS-No.: 872-50-4 EC-No.: 212-828-1 EC Index-No.: 606-021-00-7 REACH-no: 01-2119472430-46	≥ 1 – < 3	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360D STOT SE 3, H335
2-METHOXY-1-METHYLETHYL ACETATE substance with national workplace exposure limit(s) (GB)	CAS-No.: 108-65-6 EC-No.: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791-29	< 0.1	Flam. Liq. 3, H226

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW ≤ 700 )	CAS-No.: 25068-38-6 EC-No.: 500-033-5 EC Index-No.: 603-074-00-8 REACH-no: 01-2119456619-26	( 5 ≤ C ≤ 100) Eye Irrit. 2, H319 ( 5 ≤ C ≤ 100) Skin Irrit. 2, H315
N-METHYL-2-PYRROLIDONE	CAS-No.: 872-50-4 EC-No.: 212-828-1 EC Index-No.: 606-021-00-7 REACH-no: 01-2119472430-46	( 10 ≤ C ≤ 100) STOT SE 3, H335

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Take off all contaminated clothing and wash its before reuse.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Take off contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Get medical advice/attention if you feel unwell.

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract. May cause a feeling of tightness in the chest, exposure may cause coughing or wheezing.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: Causes eye irritation. redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract. There may be redness and soreness of the mouth and throat.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO <sub>2</sub> ). Dry powder. Foam. In case of a larger fire, water spray should be used.
Unsuitable extinguishing media	: Do not use water jet to extinguish.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: In case of fire and/or explosion do not breathe fumes. In combustion emits toxic fumes.
-------------	---

### 5.3. Advice for firefighters

Firefighting instructions	: Control run-off water by containing and keeping it out of sewers and watercourses.
Protection during firefighting	: Use self-contained breathing apparatus and chemically protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. . Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the liquid escaping.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

For a large spillage, contain the spillage by bunding. Avoid release to the environment.

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

Methods for cleaning up	: Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.
Other information	: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Provide local exhaust or general room ventilation. Avoid contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Keep only in original container. Store in a dry place. Store in a closed container. Store in a well-ventilated place. Keep cool. The floor of the storage room must be impermeable to prevent the escape of liquids.

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

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

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

###### N-METHYL-2-PYRROLIDONE (872-50-4)

###### United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1]	40 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	10 ppm
WEL STEL (OEL STEL)	80 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	20 ppm

###### 2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

###### United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1]	274 mg/m <sup>3</sup>
WEL STEL (OEL STEL)	548 mg/m <sup>3</sup>

###### 1-Methoxypropan-2-ol (107-98-2)

###### United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1]	375 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	100 ppm
WEL STEL (OEL STEL)	560 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	150 ppm

###### Aerosil R208 (67762-90-7)

###### United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1]	6 mg/m <sup>3</sup>
WEL STEL (OEL STEL)	2.4 mg/m <sup>3</sup>

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.1.4. DNEL and PNEC

<b>N-METHYL-2-PYRROLIDONE (872-50-4)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	4.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	14.4 mg/m <sup>3</sup>
Long-term - local effects, inhalation	40 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0.85 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3.6 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	2.4 mg/kg bodyweight/day
Long-term - local effects, inhalation	4.5 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.25 mg/l
PNEC aqua (marine water)	0.025 mg/l
PNEC aqua (intermittent, freshwater)	5 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1.09 mg/kg dwt
PNEC sediment (marine water)	0.109 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.0701 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	10 mg/l
<b>BENZYL ALCOHOL (100-51-6)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - local effects, dermal	≈ 8 mg/kg wet weight
Long-term - local effects, inhalation	≈ 22 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	≈ 1 mg/l
PNEC aqua (marine water)	≈ 0.1 mg/l
<b>PNEC (Soil)</b>	
PNEC soil	≈ 0.456 mg/kg dwt
<b>2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - local effects, inhalation	550 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	796 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	275 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, oral	500 mg/kg bodyweight/day
Long-term - systemic effects, oral	36 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	33 mg/m <sup>3</sup>

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)</b>	
Long-term - systemic effects, dermal	320 mg/kg bodyweight/day
Long-term - local effects, inhalation	33 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.635 mg/l
PNEC aqua (marine water)	0.0635 mg/l
PNEC aqua (intermittent, freshwater)	6.35 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	3.29 mg/kg dwt
PNEC sediment (marine water)	0.329 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.29 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	100 mg/l
<b>SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (64742-95-6)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, inhalation	1286.4 mg/m <sup>3</sup>
Acute - local effects, inhalation	1066.67 mg/m <sup>3</sup>
Long-term - local effects, inhalation	837.5 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, inhalation	1152 mg/m <sup>3</sup>
Acute - local effects, inhalation	640 mg/m <sup>3</sup>
Long-term - local effects, inhalation	178.57 mg/m <sup>3</sup>
<b>2,6-di-tert-butyl-p-cresol (128-37-0)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	0.5 mg/kg bodyweight/day
Long-term - local effects, dermal	0.5 mg/kg bw/day
Long-term - systemic effects, inhalation	1.76 mg/m <sup>3</sup>
Long-term - local effects, inhalation	3.5 mg/kg bw/day
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0.25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.435 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0.25 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0.199 µg/l
PNEC aqua (marine water)	0.0199 µg/l
PNEC aqua (intermittent, freshwater)	1.99 µg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0.45819 mg/kg dwt

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>2,6-di-tert-butyl-p-cresol (128-37-0)</b>	
PNEC sediment (marine water)	0.04582 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0.0539 mg/kg dwt
<b>PNEC (Oral)</b>	
PNEC oral (secondary poisoning)	16.67 mg/kg food
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0.017 mg/l
<b>1-Methoxypropan-2-ol (107-98-2)</b>	
<b>DNEL/DMEL (Workers)</b>	
Acute - systemic effects, inhalation	553.5 mg/m <sup>3</sup>
Acute - local effects, inhalation	553.5 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	183 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	369 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Acute - systemic effects, inhalation	≥
Long-term - systemic effects, oral	33 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	43.9 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	78 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	10 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	100 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	52.3 mg/kg dwt
PNEC sediment (marine water)	5.2 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	4.59 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	100 mg/l
<b>OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, inhalation	73 mg/m <sup>3</sup>
Long-term - local effects, inhalation	73 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	3.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	13 mg/m <sup>3</sup>
Long-term - local effects, inhalation	13 mg/m <sup>3</sup>



# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### OCTAMETHYLCYCLOTETRASILOXANE (556-67-2)

#### PNEC (Water)

PNEC aqua (freshwater)	1.5 µg/l
PNEC aqua (marine water)	0.15 µg/l

#### PNEC (Sediment)

PNEC sediment (freshwater)	3 mg/kg dwt
PNEC sediment (marine water)	0.3 mg/kg dwt

#### PNEC (Soil)

PNEC soil	0.54 mg/kg dwt
-----------	----------------

#### PNEC (Oral)

PNEC oral (secondary poisoning)	41 mg/kg food
---------------------------------	---------------

#### PNEC (STP)

PNEC sewage treatment plant	10 mg/l
-----------------------------	---------

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Provide local exhaust or general room ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

##### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

##### Eye protection:

Wear eye protection

##### 8.2.2.2. Skin protection

##### Skin and body protection:

Avoid contact with skin

##### Hand protection:

Standard EN 374 - Protective gloves against chemicals.

##### Other skin protection

##### Materials for protective clothing:

Keep work clothing separately

##### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation

##### 8.2.2.4. Thermal hazards

No additional information available

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Not available
Appearance	: Colourless liquid.
Odour	: slight.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: > 100
Boiling point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: >100
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Material insoluble in water. soluble in most organic solvents.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with (strong) oxidizers.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Strong acids. Strong bases. Strong oxidizing agents.

### 10.4. Conditions to avoid

Avoid heat.

### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 10.6. Hazardous decomposition products

In combustion emits toxic fumes.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### N-METHYL-2-PYRROLIDONE (872-50-4)

LD50 oral rat	4150 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 3100 - 5560
LD50 dermal rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 5.1 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

#### BENZYL ALCOHOL (100-51-6)

LD50 oral	1580 mg/kg bodyweight Animal: mouse, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1410 - 1770
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Remarks on results: other:
LC50 Inhalation - Rat	> 4178 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:

#### Bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW <= 700 ) (25068-38-6)

LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
---------------	--

#### 2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

LD50 oral rat	> 5000 ml/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LD50 dermal rabbit	> 5000

#### 1-Methoxypropan-2-ol (107-98-2)

LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal))
-----------------	---

#### Aerosil R208 (67762-90-7)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation : Causes skin irritation.

#### N-METHYL-2-PYRROLIDONE (872-50-4)

pH	8.5 – 10
----	----------

Serious eye damage/irritation : Causes serious eye irritation.

#### N-METHYL-2-PYRROLIDONE (872-50-4)

pH	8.5 – 10
----	----------

Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

<b>N-METHYL-2-PYRROLIDONE (872-50-4)</b>	
NOAEL (chronic, oral, animal/male, 2 years)	≈ 89 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Guideline: EU Method B.32 (Carcinogenicity Test), Guideline: EPA OTS 798.3300 (Carcinogenicity)
NOAEL (chronic, oral, animal/female, 2 years)	≈ 221 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 451 (Carcinogenicity Studies), Guideline: EU Method B.32 (Carcinogenicity Test), Guideline: EPA OTS 798.3300 (Carcinogenicity)
Reproductive toxicity	: May damage fertility or the unborn child.
<b>N-METHYL-2-PYRROLIDONE (872-50-4)</b>	
LOAEL (animal/female, F0/P)	500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
NOAEL (animal/male, F0/P)	≥ 500 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
NOAEL (animal/female, F0/P)	350 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)
STOT-single exposure	: Not classified
<b>N-METHYL-2-PYRROLIDONE (872-50-4)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>1-Methoxypropan-2-ol (107-98-2)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
<b>N-METHYL-2-PYRROLIDONE (872-50-4)</b>	
LOAEL (dermal, rat/rabbit, 90 days)	1653 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
NOAEL (dermal, rat/rabbit, 90 days)	826 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
<b>BENZYL ALCOHOL (100-51-6)</b>	
NOAEL (oral, rat, 90 days)	400 mg/kg bodyweight Animal: rat, Guideline: other:
<b>2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)</b>	
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
<b>1-Methoxypropan-2-ol (107-98-2)</b>	
LOAEL (oral, rat, 90 days)	2757 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	919 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
Aspiration hazard	: Not classified
<b>N-METHYL-2-PYRROLIDONE (872-50-4)</b>	
Viscosity, kinematic	1.613 mm <sup>2</sup> /s
<b>BENZYL ALCOHOL (100-51-6)</b>	
Viscosity, kinematic	0.005 mm <sup>2</sup> /s

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 1-Methoxypropan-2-ol (107-98-2)

Viscosity, kinematic	1.86 mm <sup>2</sup> /s
----------------------	-------------------------

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

Not rapidly degradable

### N-METHYL-2-PYRROLIDONE (872-50-4)

LC50 - Fish [1]	> 500 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 1000 mg/l Test organism (species): Daphnia magna
EC50 72h - Algae [1]	600.5 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h - Algae [2]	672.8 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
LOEC (chronic)	25 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	12.5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	12.5 mg/l

### BENZYL ALCOHOL (100-51-6)

LC50 - Fish [1]	460 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	230 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	770 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	500 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	76828 mg/l Test organisms (species): other:
NOEC chronic fish	48897 mg/l Test organisms (species): other: Duration: '30 d'

### Bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW ≤ 700 ) (25068-38-6)

EC50 - Crustacea [1]	≈ 2 mg/l Test organisms (species): Daphnia magna
----------------------	--

### 2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

LC50 - Fish [1]	> 100 mg/l Test organisms (species): Oryzias latipes
EC50 - Crustacea [1]	> 500 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 1000 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	47.5 mg/l Test organisms (species): Oryzias latipes Duration: '14 d'
NOEC chronic crustacea	> 100 mg/l

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 1-Methoxypropan-2-ol (107-98-2)

EC50 - Other aquatic organisms [1]	2954 mg/l Test organisms (species): other aquatic crustacea:
------------------------------------	--

### Aerosil R208 (67762-90-7)

LC50 - Fish [1]	> 10000 mg/l
-----------------	--------------

## 12.2. Persistence and degradability

### BENZYL ALCOHOL (100-51-6)

Persistence and degradability	Readily biodegradable.
-------------------------------	------------------------

### 2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

Persistence and degradability	Readily biodegradable.
-------------------------------	------------------------

### 1-Methoxypropan-2-ol (107-98-2)

Persistence and degradability	Readily biodegradable.
-------------------------------	------------------------

## 12.3. Bioaccumulative potential

### 2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

Partition coefficient n-octanol/water (Log Kow)	1.2
---	-----

Bioaccumulative potential	Bioaccumulation is insignificant.
---------------------------	-----------------------------------

## 12.4. Mobility in soil

No additional information available

## 12.5. Results of PBT and vPvB assessment

### Component

N-METHYL-2-PYRROLIDONE (872-50-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
-----------------------------------	---

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Must follow special treatment according to local regulation.

# Altro Tect Vertical Clear Base

## Safety Data Sheet

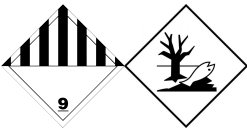
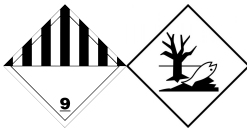

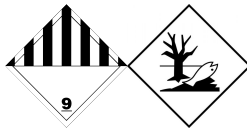
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

HP Code

- : HP3 - "Flammable:"
  - flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
  - flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
  - flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
  - flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
  - water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
  - other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
- HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.
- HP13 - "Sensitising:" waste which contains one or more substances known to cause sensitising effects to the skin or the respiratory organs.
- HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

### SECTION 14: Transport information

In accordance with ADR / IMDG / ADN / RID

ADR	IMDG	ADN	RID
<b>14.1. UN number or ID number</b>			
UN 3082	UN 3082	UN 3082	UN 3082
<b>14.2. UN proper shipping name</b>			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.)
<b>Transport document description</b>			
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.), 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.), 9, III, MARINE POLLUTANT	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.), 9, III
<b>14.3. Transport hazard class(es)</b>			
9	9	9	9
			
<b>14.4. Packing group</b>			
III	III	III	III

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	ADN	RID
<b>14.5. Environmental hazards</b>			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available			

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 375, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90
Orange plates	:



Tunnel restriction code (ADR)	: -
EAC code	: •3Z

#### Transport by sea

Special provisions (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

#### Inland waterway transport

Classification code (ADN)	: M6
Special provisions (ADN)	: 274, 335, 375, 601
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

#### Rail transport

Classification code (RID)	: M6
Special provisions (RID)	: 274, 335, 375, 601
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1



# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP29
Tank codes for RID tanks (RID)	: LGBV
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Special provisions for carriage - Loading, unloading and handling (RID)	: CW13, CW31
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 90

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations  $\geq 0.1\%$  or SCL: 1-Methyl-2-pyrrolidone (NMP) (EC 212-828-1, CAS 872-50-4)

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4

# Altro Tect Vertical Clear Base

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Full text of H- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360	May damage fertility or the unborn child.
H360D	May damage the unborn child.
H411	Toxic to aquatic life with long lasting effects.
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.