

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

1.1. Product identifier

Product form : Article
Product name : Altro Shield Standard Base
Product code : SSF_B____
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

Manufacturer

Altro Resin Systems
Unit 3 Station Road Industrial Estate
Station Road
GB- DT2 0AE Maiden Newton Dorchester
T 01300 320620
sds@altro.com - www.altro.com

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 GB CLP (SI 2019:720 as amended)

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
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 GB CLP (SI 2019:720 as amended)

Hazard pictograms (GB CLP) :



GHS07

GHS09

Signal word (GB CLP) :

Warning

Contains :

BENZYL ALCOHOL; Bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW ≤ 700)

Hazard statements (GB CLP) :

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

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Precautionary statements (GB CLP)	H319 - Causes serious eye irritation. H411 - Toxic to aquatic life with long lasting effects. : P261 - Avoid breathing fume, vapours. P264 - Wash hands thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear eye protection, protective clothing, protective gloves. P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
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2.3. Other hazards

Results of PBT and vPvB assessment

This substance does not meet the PBT criteria of UK REACH regulation, annex XIII

This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

Component	
Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII	BENZYL ALCOHOL (100-51-6), 2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)
Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII	BENZYL ALCOHOL (100-51-6), 2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

Results of Endocrine Disruptor assessment

The substance is not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP

Component	
Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP	BENZYL ALCOHOL(100-51-6), 2-METHOXY-1-METHYLETHYL ACETATE(108-65-6)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
Bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW ≤ 700)	CAS-No.: 25068-38-6 EC-No.: 500-033-5	≥ 30 – < 50	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
BENZYL ALCOHOL	CAS-No.: 100-51-6 EC-No.: 202-859-9 UK Index-No.: 603-057-00-5	≥ 5 – < 10	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Irrit. 2, H319 Skin Sens. 1B, H317
2-METHOXY-1-METHYLETHYL ACETATE substance with workplace exposure limit(s)	CAS-No.: 108-65-6 EC-No.: 203-603-9 UK Index-No.: 607-195-00-7	< 0.1	Flam. Liq. 3, H226 STOT SE 3, H336

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth out with water. Get medical advice/attention if you feel unwell.

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

- Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).
- Symptoms/effects after skin contact : May cause skin irritation.
- Symptoms/effects after eye contact : May cause eye irritation. redness, itching, tears.
- Symptoms/effects after ingestion : May cause redness and soreness of the mouth and throat.

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

No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing agent suitable for surrounding fire. Use water spray to cool exposed surfaces.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : On combustion releases : Toxic fumes.

5.3. Advice for firefighters

- 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 : Refer to protective measures listed in Sections 7 and 8.
- Emergency procedures : Evacuate unnecessary personnel. Keep upwind. Ventilate spillage area. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Contain the spilled material by bunding. Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Collect leaking and spilled liquid in sealable containers as far as possible.

6.4. Reference to other sections

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

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid contact with skin and eyes. Provide good ventilation in process area to prevent formation of vapour. Do not breathe vapours.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Store in a dry place. Store in a closed container.

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

2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA)	274 mg/m ³
WEL STEL (OEL STEL)	548 mg/m ³

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

2,6-di-tert-butyl-p-cresol (128-37-0)	
DNEL/DMEL (Workers)	
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 ³
Long-term - local effects, inhalation	3.5 mg/kg bw/day
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.435 mg/m ³
Long-term - systemic effects, dermal	0.25 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.199 µg/l
PNEC aqua (marine water)	0.0199 µg/l
PNEC aqua (intermittent, freshwater)	1.99 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.45819 mg/kg dwt
PNEC sediment (marine water)	0.04582 mg/kg dwt

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2,6-di-tert-butyl-p-cresol (128-37-0)	
PNEC (Soil)	
PNEC soil	0.0539 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	16.67 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	0.017 mg/l
BENZYL ALCOHOL (100-51-6)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	40 mg/kg bw/day
Acute - systemic effects, inhalation	110 mg/m ³
Long-term - local effects, dermal	8 mg/kg bw/day
Long-term - systemic effects, inhalation	22 mg/kg bw/day
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	20 mg/kg bw/day
Acute - systemic effects, inhalation	27
Acute - systemic effects, oral	20 mg/m ³
Long-term - systemic effects, oral	4 mg/kg bw/day
Long-term - systemic effects, inhalation	5.4 mg/m ³
Long-term - systemic effects, dermal	4 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	1 mg/l
PNEC aqua (marine water)	0.1 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	5.27 mg/kg dwt
PNEC sediment (marine water)	0.527 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.456 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	39 mg/l
2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	550 mg/m ³
Long-term - systemic effects, dermal	796 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	275 mg/m ³
DNEL/DMEL (General population)	
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 ³

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2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	
Long-term - systemic effects, dermal	320 mg/kg bodyweight/day
Long-term - local effects, inhalation	33 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.635 mg/l
PNEC aqua (marine water)	0.0635 mg/l
PNEC aqua (intermittent, freshwater)	6.35 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.29 mg/kg dwt
PNEC sediment (marine water)	0.329 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.29 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (64742-95-6)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	1286.4 mg/m ³
Acute - local effects, inhalation	1066.67 mg/m ³
Long-term - local effects, inhalation	837.5 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	1152 mg/m ³
Acute - local effects, inhalation	640 mg/m ³
Long-term - local effects, inhalation	178.57 mg/m ³

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. Floors should be impervious, resistant to liquids and easy to clean.

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

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

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Hand protection:

Wear protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

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
Appearance	: Coloured liquid.
Odour	: Not available
Odour threshold	: Not available
pH	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flash point	: Not available
Flammability	: Not available
Explosive limits	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: Not available
Density	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity, kinematic	: Not available
Explosive properties	: Not available

9.2. Other information

Particle characteristics	: Not applicable
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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

Heat.

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According REACH Regulation 1907/2006 as retained in UK law by UK REACH SI 2019 No. 758 as amended

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

10.6. Hazardous decomposition products

In combustion emits toxic fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

BENZYL ALCOHOL (100-51-6)

LD50 oral rat	1200 mg/kg
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity)
LD50 dermal	≈ 2500
LC50 Inhalation - Rat	5.4 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

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

LD50 oral rat	> 6190 ml/kg Method: OECD Test Guideline 401
LD50 dermal rat	> 5000 mg/kg Method: OECD Test Guideline 402

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

BENZYL ALCOHOL (100-51-6)

NOAEL (oral, rat)	400 mg/kg bodyweight Method:- 451
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2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

STOT-single exposure	May cause drowsiness or dizziness.
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STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

BENZYL ALCOHOL (100-51-6)

NOAEL (oral, rat, 90 days)	400 mg/kg bodyweight Animal: rat, Guideline: other:
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2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)

NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)
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Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

BENZYL ALCOHOL (100-51-6)

Viscosity, kinematic	4.851 mm ² /s
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Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)

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

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): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
NOEC chronic fish	48.897 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

12.2. Persistence and degradability

Altro Shield Standard Base	
Persistence and degradability	Not rapidly degradable

BENZYL ALCOHOL (100-51-6)	
Persistence and degradability	Readily biodegradable.

Bisphenol-A-(epichlorohydrin) EPOXY RESIN (Number average MW <= 700) (25068-38-6)	
Persistence and degradability	Not rapidly degradable

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

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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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This substance does not meet the PBT criteria of UK REACH regulation, annex XIII

This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

Component

BENZYL ALCOHOL (100-51-6)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII
2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)	This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII

12.6. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Must follow special treatment according to local regulation.
Ecological waste information : Avoid release to the environment.
HP Code : 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

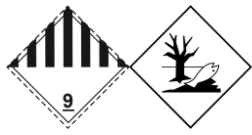
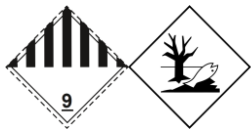
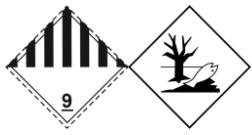
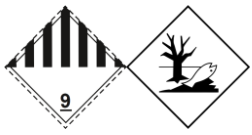
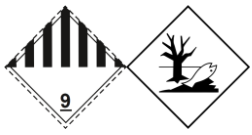
In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082
14.2. UN proper shipping name				
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.)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.)

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ADR	IMDG	IATA	ADN	RID
Transport document description				
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	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.), 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: 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

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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

Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. National regulations

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

Altro Shield Standard Base

Safety Data Sheet

According REACH Regulation 1907/2006 as retained in UK law by UK REACH SI 2019 No. 758 as amended

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC).

GB PIC Regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
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
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
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.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Safety Data Sheet (SDS), UK

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.