

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

#### 1.1. Product identifier

Product form : Substance  
Substance name : Altro Solve EP  
Product code : SVE5  
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 : Industrial Solvent  
Cleaning agent

##### 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](mailto:sds@altro.com) - [www.altro.com](http://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)

Flammable liquids, Category 3 H226  
Specific target organ toxicity – Single exposure, Category 3, Narcosis H336  
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 (GHS UK) :



GHS02

GHS07

Signal word (GHS UK) : Warning  
Hazard statements (GHS UK) : H226 - Flammable liquid and vapour.  
H336 - May cause drowsiness or dizziness.  
Precautionary statements (GHS UK) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground and bond container and receiving equipment.

# Altro Solve EP

## Safety Data Sheet

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

P241 - Use explosion-proof electrical, ventilating and lighting equipment.  
P261 - Avoid breathing dust, fume, gas, mist, vapours or spray.  
P271 - Use only outdoors or in a well-ventilated area.

### 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

#### 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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Name : Altro Solve EP

Name	Product identifier	%	Classification according to GB CLP (SI 2019:720 as amended)
1-Methoxypropan-2-ol	CAS-No.: 107-98-2 EC-No.: 203-539-1 UK Index-No.: 603-064-00-3	100	Flam. Liq. 3, H226 STOT SE 3, H336

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

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after inhalation : IF INHALED: Call a POISON CENTER or doctor/physician 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. Get medical attention if irritation develops and persists.  
First-aid measures after eye contact : IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice / attention.  
First-aid measures after ingestion : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Immediately give plenty of water.

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

Symptoms/effects after inhalation : High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting.  
Symptoms/effects after skin contact : May cause skin irritation.  
Symptoms/effects after eye contact : May cause eye irritation.  
Symptoms/effects after ingestion : Ingestion may cause nausea, vomiting and diarrhea.

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

Treat symptomatically.

# Altro Solve EP

## Safety Data Sheet

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry powder. Water fog.  
Unsuitable extinguishing media : high volume water jet.

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

Fire hazard : This product is flammable. Vapours may ignite.

#### 5.3. Advice for firefighters

Firefighting instructions : Use water to cool exposed containers, cool and disperse vapours. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.  
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 protective clothing. Avoid inhalation of vapours.  
Emergency procedures : Ventilate spillage area. No flames, no sparks. Eliminate all sources of ignition. Take precautionary measures against static discharge.

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Do not allow to enter sewers, surface or groundwater. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

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

For containment : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Place in an appropriate container and dispose of the contaminated material at a licensed site.  
Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). This material and its container must be disposed of in a safe way, and as per local legislation.

#### 6.4. Reference to other sections

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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Ensure equipment is adequately earthed. Provide adequate ventilation to minimize dust and/or vapour concentrations.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep only in original container. Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep cool. Protect from sunlight.

# Altro Solve EP

## Safety Data Sheet

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

### 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

Altro Solve EP	
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (OEL TWA)	375 mg/m <sup>3</sup>
	100 ppm
WEL STEL (OEL STEL)	560 mg/m <sup>3</sup>
	150 ppm
<b>1-Methoxypropan-2-ol (107-98-2)</b>	
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (OEL TWA)	375 mg/m <sup>3</sup>
	100 ppm
WEL STEL (OEL STEL)	560 mg/m <sup>3</sup>
	150 ppm

#### 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

1-Methoxypropan-2-ol (107-98-2)	
<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>	
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

# Altro Solve EP

## Safety Data Sheet

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

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

PNEC sediment (marine water)	5.2 mg/kg dwt
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#### PNEC (Soil)

PNEC soil	4.59 mg/kg dwt
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#### PNEC (STP)

PNEC sewage treatment plant	100 mg/l
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### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Safety glasses. Wear protective gloves. In case of inadequate ventilation, wear respiratory protection.

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



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Protective clothing

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

#### 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	: Clear liquid.
Colour	: Colourless.
Odour	: Ether.
Odour threshold	: Not available
pH	: Not available
Melting point	: -96 °C
Freezing point	: Not available
Boiling point	: 120.15 °C
Flash point	: 31 °C
Flammability	: Not available

# Altro Solve EP

## Safety Data Sheet

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

Explosive limits	: Not available
Vapour pressure	: 1.56 kPa
Vapour pressure at 50°C	: Not available
Relative vapour density at 20°C	: Not available
Relative density	: 0.919
Density	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Auto-ignition temperature	: 287 °C
Decomposition temperature	: Not available
Viscosity, kinematic	: 1.86 mm <sup>2</sup> /s
Viscosity, dynamic	: 1.7 mPa·s
Explosive properties	: Not available

### 9.2. Other information

Particle characteristics	: Not applicable
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Flammable liquid and vapour. If stored for long periods at ambient temperature peroxides may be formed. This will be accelerated at higher temperatures.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

Vapours may ignite. formation of explosive air/vapour mixtures are possible. Reacts with : Oxidising agents.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from direct sunlight. Strong acids. Oxidising substances.

### 10.5. Incompatible materials

Strong acids. Oxidizing agent.

### 10.6. Hazardous decomposition products

Under fire conditions, Carbon oxides maybe produced.

## 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)

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

LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal))
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
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)

# Altro Solve EP

## Safety Data Sheet

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

STOT-single exposure : May cause drowsiness or dizziness.

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

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

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

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 (Based on available data, the classification criteria are not met)

### Altro Solve EP

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

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

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

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

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

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

### 12.2. Persistence and degradability

#### Altro Solve EP

Persistence and degradability : Not rapidly degradable

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

Persistence and degradability : Readily biodegradable.

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### Altro Solve EP

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

# Altro Solve EP

## Safety Data Sheet

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

### 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.  
Product/Packaging disposal recommendations : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Do not puncture or incinerate, even when empty.  
Ecological waste information : Avoid release to the environment.  
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.

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 3092	UN 3092	UN 3092	UN 3092	UN 3092
<b>14.2. UN proper shipping name</b>				
1-METHOXY-2-PROPANOL (1-METHOXY-2-PROPANOL)	1-METHOXY-2-PROPANOL (1-METHOXY-2-PROPANOL)	1-Methoxy-2-propanol (1-METHOXY-2-PROPANOL)	1-METHOXY-2-PROPANOL (1-METHOXY-2-PROPANOL)	1-METHOXY-2-PROPANOL (1-METHOXY-2-PROPANOL)
<b>Transport document description</b>				
UN 3092 1-METHOXY-2-PROPANOL (1-METHOXY-2-PROPANOL), 3, III, (D/E)	UN 3092 1-METHOXY-2-PROPANOL (1-METHOXY-2-PROPANOL), 3, III (29°C c.c.)	UN 3092 1-Methoxy-2-propanol (1-METHOXY-2-PROPANOL), 3, III	UN 3092 1-METHOXY-2-PROPANOL (1-METHOXY-2-PROPANOL), 3, III	UN 3092 1-METHOXY-2-PROPANOL (1-METHOXY-2-PROPANOL), 3, III
<b>14.3. Transport hazard class(es)</b>				
3	3	3	3	3
				
<b>14.4. Packing group</b>				
III	III	III	III	III

# Altro Solve EP

## Safety Data Sheet

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

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

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: F1
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T2
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	:



Tunnel restriction code (ADR)	: D/E
EAC code	: •2Y

#### Transport by sea

Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: A
Flash point (IMDG)	: 29°C to 35°C c.c.
Properties and observations (IMDG)	: Colourless liquid. Flashpoint: 29°C to 35°C c.c. Explosive limits: 1.7% to 11.5%. Miscible with water. Reacts with strong oxidizing substances. Irritating to skin, eyes and mucous membranes.

#### Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
ERG code (IATA)	: 3L

#### Inland waterway transport

Classification code (ADN)	: F1
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1

# Altro Solve EP

## Safety Data Sheet

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

Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0

### Rail transport

Classification code (RID)	: F1
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T2
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30

### 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 substance is not listed on UK REACH Annex XVII (Restriction List)

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

This substance is not listed on UK REACH Annex XIV (Authorisation List)

##### UK REACH Candidate List (SVHC)

This substance is not listed on the UK REACH Candidate List (SVHC)

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

This substance is not listed on the GB PIC List

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

This substance is not listed on the GB POP List

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

This substance is not listed on the GB Ozone Depletion List

##### Control of Poisons and Explosives Precursors Act

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

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

This substance is not listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations

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 substance is not listed on the GB Drug Precursors List

#### 15.1.2. Other Information

### 15.2. Chemical safety assessment

No additional information available

# Altro Solve EP

## Safety Data Sheet

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

### SECTION 16: Other information

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

Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.

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.