

**PRODUCT NAME**

AlphaLite UV Short Liner

**S&F CODE****ISSUE DATE**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

<b>Product Name</b>	AlphaLite UV Short Liner Resin
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**1.2. Relevant identified uses of the substance or mixture and uses advised against**

<b>Product Use</b>	Methacrylate based, UV-curable one-component resin. The purpose of the resin is the trenchless repair of sewer pipe systems. Its application requires trained personnel and controlled, professional industrial conditions.
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**1.3. Details of the supplier of the safety data sheet**

<b>Company Address</b>	Scott & Fyfe Ltd, Tayport Works, Links Road, Tayport, Fife, Scotland, DD6 9EE
<b>Web</b>	<a href="http://www.scott-fyfe.com">www.scott-fyfe.com</a>
<b>Telephone</b>	+44 (0) 1382 554 000
<b>Fax</b>	n/a
<b>Email</b>	<a href="mailto:info@scott-fyfe.com">info@scott-fyfe.com</a>
<b>Email Address of the competent person</b>	<a href="mailto:sales@scott-fyfe.com">sales@scott-fyfe.com</a>

**1.4. Emergency telephone number**

<b>Emergency telephone number</b>	+44 (0) 1382 554 000
<b>Opening hours</b>	08.30am – 5.00pm - Monday-Thursday 08.30am – 12pm - Friday


## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

<b>Classification according to Regulation (EC) No 1272/2008 (CLP)</b>	<p>Skin Irrit,2 : H315 – Causes skin irritation            Skin Sens 1: H317 – May cause an allergic skin reaction            Eye Irrit 2: H319 – Causes serious eye irritation            Aquatic Chronic : H413 – May cause long lasting harmful effects to aquatic life.</p>
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### 2.2. Label elements

Labelling according to regulation (EC) No 1272/2008 (CLP)

<b>Hazard pictograms</b>	
<b>Signal Word</b>	<p>Warning</p>
<b>Hazard Statement</b>	<p>Skin Irrit. 2: H315 - Causes skin irritation.            Skin Sens. 1: H317 - May cause an allergic skin reaction.            Eye Irrit. 2: H319 - Causes serious eye irritation.            Aquatic Chronic 2: H413 - May cause long-lasting harmful effects to aquatic life</p>
<b>Precautionary Statement: Prevention</b>	<p>P280 Wear protective gloves/protective clothing/eye protection/face protection.            P302+P352 IF ON SKIN: Wash with plenty of soap and water.            P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
<b>Precautionary Statement: Response</b>	<p>P280 Wear protective gloves/protective clothing/eye protection/face protection.            P302+P352 IF ON SKIN: Wash with plenty of soap and water.            P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. advice/attention.</p>

<b>Hazard determining components for labelling</b>	Contains: Isobornyl methacrylate (CAS: 7534-94-3).
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### 2.3. Other hazards

<b>Other hazards</b>	The mixture is not PBT
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical Name	EC-Nr.	CAS-Nr.	REACH Reg. Nr.	Content (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)	HP Phase
Isobornyl methacrylate	231-403-1	7534-94-3	01-2119886505-27	<30	Skin Irrit. 2, Eye Irrit. 2 STOT SE 3 Aquat. Chron. 3	H315 H319 H335 H412
Hydroxypropyl methacrylate	248-666-1	27813-02-1	01-2119490226-37	<5		Skin Irrit. 2 Eye Irrit. 2 STOT SE 3 Aquat. Chronic 3 H315 H319 H335 H412
Phenyl bis(2,4,6-trimethylbenzoyl)-phosphine oxide	423-340-5	162881-26-7	02-2119864702-35	<5	Skin Sens. 1 Aquat. Chronic 4	H317 H413

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if feeling unwell.
<b>Eye Contact</b>	Rinse with water for a sufficiently long period of time (some minutes). Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell.
<b>Skin Contact</b>	Remove contaminated clothing. Wash with plenty of warm

	water and soap. Consult a doctor in the event of a skin reaction.
<b>Ingestion</b>	Call a poisoning center/doctor if you feel unwell. Rinse mouth.

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

No Data Available

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

No data available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Suitable extinguishing media: Dry chemicals, foam, water fog, carbon dioxide. Unsuitable extinguishing media: High volume water jet.
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### 5.2. Special hazards arising from the substance or mixture

	No data available
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### 5.3. Advice for firefighters

	Fire-extinguishing work is done from the windward side, and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Keep containers cool by spraying with water. Eliminate all ignition sources if safe to do so. When extinguishing fire, be sure to wear personal protective equipment.
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## SECTION 6: Accidental release measures

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

	Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation after making sure that there is no risk of ignition. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
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## 6.2. Environmental precautions

	Avoid dispersal of spilt material and runoff to drains and sewers (both sewage pipes and rainwater runoff).
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## 6.3. Methods and material for containment and cleaning up

	Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, bentonite, diatomaceous earth) in a container that can be closed and sealed. In case of large amount of spillage, contain a spill by binding. Adhered or collected material should be promptly disposed, in accordance with appropriate laws and regulations.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

	Handling is performed in a well-ventilated place. Wear suitable personal protective equipment. Prevent generation of vapour or mist. Keep away from flames and hot surfaces. Take measures to prevent the build-up of electrostatic charge. Use explosion-proof equipment. Wash hands and face thoroughly after handling. Use a closed-system air extraction ventilation. Avoid contact with skin, eyes, and clothing.
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### 7.2. Conditions for safe storage, including any incompatibilities

	Keep container tightly closed. Store in a cool, dark and well-ventilated place. Store away from incompatible materials such as oxidizing agents.
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### 7.3. Specific end use(s)




	No further relevant information available.
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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

	No Data Available
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## 8.2. Exposure controls

	   <p>Install a closed system or local exhauster as possible so that workers should not be exposed directly. Also install safety shower and eye rinsing facilities.</p>
<b>8.2.1. Respiratory protection</b>	Vapour respirator
<b>8.2.2. Hand protection</b>	Protective gloves
<b>Eye protection:</b>	Safety glasses. A face-shield, if the situation requires
<b>Skin protection - Handprotection</b>	Skin and body protection
<b>Skin protection - Other</b>	Wear suitable protective clothing.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	liquid, tacky material
<b>Colour</b>	yellowish
<b>Odour</b>	No data available
<b>pH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper Explosive Limit</b>	No data available
<b>Lower Explosive Limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition</b>	No data available

<b>temperature</b>	
<b>Viscosity</b>	1500±150 mPa.s (at 25°C)
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Density</b>	1,09±0,1 g/cm <sup>3</sup> (at 20°C)

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	No data available
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### 10.2. Chemical stability

	No data available
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### 10.3. Possibility of hazardous reactions

	No data available
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### 10.4. Conditions to avoid

	No data available
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### 10.5. Incompatible materials

	No data available
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### 10.6. Hazardous decomposition products

	No data available
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

No data available

### 11.1.1. Toxicological Information

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

No data available

### 12.2. Persistence and degradability

	Not readily biodegradable.
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### 12.3. Bioaccumulative potential

	No data available
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### 12.4. Partition coefficient

	No data available
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### 12.5. Mobility in soil

	No data available
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### 12.6. Other adverse effects

	No data available
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

	As far as possible materials should be recycled and/or utilised. Consult local authorities and waste management experts. For energetic conversion, a special waste incineration facility with a high temperature zone, duration of dwell control, afterburner, waste heat utilizer (economizer), DeNO <sub>x</sub> , scrubber/adsorber and fine dust removal is needed.
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### Disposal Consideration



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## SECTION 14: Transport information

### Hazard pictograms

	
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#### 14.1. UN number

	Not classified as dangerous goods
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#### 14.2. UN proper shipping name

	Not classified as dangerous goods
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#### 14.3. Transport hazard class(es)

<b>ADR/RID</b>	Not classified as dangerous goods
<b>Subsidiary risk</b>	Not classified as dangerous goods
<b>IMDG</b>	Not classified as dangerous goods
<b>Subsidiary risk</b>	Not classified as dangerous goods
<b>IATA</b>	Not classified as dangerous goods
<b>Subsidiary risk</b>	Not classified as dangerous goods

#### 14.4. Packing group

<b>Packing group</b>	Not classified as dangerous goods
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#### 14.5. Environmental hazards

<b>Environmental hazards</b>	Not classified as marine pollutant
<b>Marine pollutant</b>	Not classified as marine pollutant

#### 14.6. Special precautions for user

	Not classified as marine pollutant
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#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	Not classified as marine pollutant
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#### ADR/RID

<b>Hazard ID</b>	Not Relevant
<b>Tunnel Category</b>	Not Relevant

#### ADR/RID

<b>EmS Code</b>	Not Relevant
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#### ATA

<b>Packing Instruction (Cargo)</b>	Not Relevant
<b>Maximum quantity</b>	Not Relevant
<b>Packing Instruction (Passenger)</b>	Not Relevant
<b>Maximum quantity</b>	Not Relevant

### SECTION 15: Regulatory information

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

<b>Regulations</b>	UNECE GHS Document ST/SG/AC 10/30/Rev4 (Geneva, 2011), ISBN 978-92-1-117042-9 Regulation (EC) No. 1907/2006; Regulation (EC) No. 2015/830 U.S. Federal Hazardous Materials Transportation Act (49 U.S.C. 5101–5128) and D.O.T. regulations at 49 C.F.R. 100–185. 15.2.
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#### 15.2. Chemical safety assessment

	Chemical Safety Assessment has not been carried out for the product.
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### SECTION 16: Other information

The information given corresponds with our actual knowledge and experience. This information is meant to describe our product in view of possible safety requirements.

#### Other information

<b>Storage</b>	The resin should be stored indoors in the original, unopened and undamaged packaging, in a dry place at temperatures between 5°C and 30°C. Properties might slightly change during storage. Store in dark and in 100% light tight containers only. Avoid contact of the resin with day light during handling operations as day light may lead to immediate curing reactions. Keep container tightly closed. Store in a cool, dark and well-ventilated place. Store away from incompatible materials such as oxidizing agents.
<b>Prepreg Liner Storage</b>	Prepreg liners must be kept in a closed and dark box, i.e. hobbocks, temperature must be controlled between 15-30 °C.
<b>Shelf life</b>	Prepreg liners have a shelf life of 3 months if stored according to instructions

#### Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
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