

## 1. IDENTIFICATION OF THE SUBSTRATE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Trade name/designation: Caltech FCP Finish.

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

Industrial/professional uses: Raw material for production of polyester roof waterproofing and repair systems.  
Uses advised against: Product is not for consumer use.

### 1.3 Manufacturer/Supplier

Supplier:  
Alumasc Building Products Ltd  
White House Works, Bold Road, Sutton, St Helens, Merseyside, United Kingdom, WA9 4JG  
Tel: +44 (0)1744 648400  
e-mail: [technical@alumascroofing.com](mailto:technical@alumascroofing.com)

### 1.4 Manufacturer/Supplier

Emergency telephone: 01744 648 400 - (Mon-Thurs – 08.30-17.00 Fri – 08.30-16.00)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification of the substance or mixture:

Product definition: Mixture

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

Flam. Liq. 2, H225  
Skin Irrit. 2, H315  
Skin Sens. 1, H317  
STOT SE 3, H335

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

#### Physical/chemical hazards:

Highly flammable.

#### Human health hazards:

Contact with skin and inhalation of aerosols/vapours of the preparation should be avoided.

#### Environmental hazards:

Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.

### 2.2 Labelling according to Regulation (EU) 1272/2008

Hazard pictures:



Signal word: Danger.

Hazard statements:  
H225: Highly flammable liquid and vapour.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H335: May cause respiratory irritation

**Precautionary statements:**

Prevention: P280: Wear protective gloves: 1 - 4 hours (breakthrough time): Butyl rubber. Wear eye or face protection.  
P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.  
P241: Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P233: Keep container tightly closed.  
P271: Use only outdoors or in a well-ventilated area.  
P261: Avoid breathing vapour.  
P264: Wash hands thoroughly after handling.  
P272: Contaminated work clothing should not be allowed out of the workplace.

Response: P304+P340+P312: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.  
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P302+P352+P362: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.  
P333+P313: If skin irritation or rash occurs, get medical attention.

Storage: P403+P235: Store in a well-ventilated place. Keep cool.

Disposal: P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

**3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS**

Ingredient Name	Concentration %	Regulation (EC) No. 1272/2008 [CLP]
Methyl Methacrylate REACH #: 01-2119452498-28 CAS: 80-62-6 EINECS 201-297-1	25-50%	Flam. Liq. 2, H225 Skin Irrit 2, H315 Skin Sens 1, H317 STOT SE 3, H335
2-Ethylhexyl Acrylate REACH #: 01-2119453158-37 CAS: 103-11-7 EINECS 203-080-7	10-25%	Skin Irrit 2, H315 Skin Sens 1, H317 STOT SE 3, H335 Aquatic Chronic 3, H412

Refer to Section 16 for additional wording.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

**4. FIRST AID MEASURES**

**4.1 Description of first aid measures**

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.  
Cross sensitization with other acrylates and methacrylates may occur.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison centre or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion:	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of First Aiders:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present; the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

### Potential acute health effects:

There is no data available on the mixture itself. See Sections 2 & 3 for details.

Inhalation:	May cause respiratory irritation.
Ingestion:	Irritating to mouth, throat and stomach.
Skin contact:	Causes skin irritation. May cause an allergic skin reaction.
Eye contact:	Causes serious eye irritation.

### Over-exposure signs/symptoms:

Eye contact:	Adverse symptoms may include the following: <ul style="list-style-type: none"><li>- pain or irritation</li><li>- watering</li><li>- redness</li></ul>
Inhalation:	Adverse symptoms may include the following: <ul style="list-style-type: none"><li>- respiratory tract irritation</li><li>- coughing</li></ul>
Skin contact:	Adverse symptoms may include the following: <ul style="list-style-type: none"><li>- irritation</li><li>- redness</li></ul>
Ingestion:	No specific data.

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

### Notes to physician:

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Specific treatments:

No specific treatment.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing agents:**

Recommended: CO<sub>2</sub>, powders.

**For safety reasons unsuitable extinguishing agents:**

Not known.

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

Highly flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Liquid will float and may reignite on surface of water. Gas/vapour is heavier than air and may travel along the floor to a source of ignition and flash back.

**Hazardous combustion products:**

In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide.

### 5.3 Advice for fire-fighters

**Protective equipment:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Appropriate breathing apparatus may be required.

## 6. ACCIDENTIAL RELEASE MEASURES

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

Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in Sections 7 & 8. If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

### 6.2 Environmental precautions

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Place in a suitable container. Once this stage is reached, close container and dispose of according to local regulations (see Section 13).

### 6.4 Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Protective measures & advice on general occupational hygiene:

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

#### Information on fire and explosion protection:

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures in air.

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

Store in accordance with local regulations. Store in a segregated and approved area. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Ventilation required along the floor. Store in original container, protected from direct sunlight.

Keep container tightly closed and in a well-ventilated place. Keep only in the original container. Fill the container by approximately 90% only as oxygen (air) is required for stabilisation. With large storage containers make sure the oxygen (air) supply is sufficient to ensure stability.

Do not store above the following temperature: 30°C.

### 7.3 Specific end uses(s)

No data available.

#### Remarks:

Product is stabilised with inhibitor(s) to avoid inadvertent polymerisation.

Polymerisation will release heat and may result in a pressure buildup that could rupture closed containers. Bulk storage tanks: Do not blanket with inert gas to avoid depleting dissolved oxygen concentration. Inhibitor only effective in the presence of oxygen.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Product/Ingredient Name	Exposure Limit Values
Methyl Methacrylate	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011)</b> Short term value: 416 mg/m <sup>3</sup> , 100 ppm Long term value: 208 mg/m <sup>3</sup> , 50 ppm
2-Ethylhexyl Acrylate	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011)</b> Absorbed through skin Not known

### Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the Assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### DNELs/DMELs:

Product/ Ingredient Name	Type	Exposure	Value	Population	Effects
Methyl Methacrylate	DNEL	Long Term Inhalation	208 mg/m <sup>3</sup> 51ppm	Workers	Systemic
		Long term Inhalation	208 mg/m <sup>3</sup> 51ppm	Workers	Local
		Long Term Dermal	13.67 mg/ kg bw/day	Workers	Local
		Long Term Dermal	1.5 mg/cm <sup>2</sup>	Workers	Local
		Short Term Dermal	1.5 mg/cm <sup>2</sup>	Workers	Systemic
		Long Term Inhalation	74.3 mg/m <sup>3</sup> 18ppm	Consumers	Systemic
		Long Term Inhalation	104 mg/m <sup>3</sup> 25ppm	Consumers	Local
		Long Term Dermal	8.2 mg/kg bw/day	Consumers	Systemic
2-Ethylhexyl Acrylate	DNEL	Long Term Dermal	1.5 mg/cm <sup>2</sup> Short term Dermal	Consumers Consumers	Local Systemic
		Short Term Dermal	0.242 mg/cm <sup>3</sup>	Workers	Local
		Short Term Inhalation	37.5 mg/m <sup>3</sup> 5ppm	Workers	Local
		Long Term Inhalation	37.5 mg/m <sup>3</sup> 5ppm	Workers	Local
		Short Term Dermal	0.242 mg/cm <sup>3</sup>	Consumers	Local
		Short Term Inhalation	4.5 mg/m <sup>3</sup> 0.6ppm	Consumers	Local
Long Term Inhalation	4.5 mg/m <sup>3</sup> 0.6ppm	Consumers	Local		

### PNECs:

Product/Ingredient Name	Compartment Detail	Value	Method Detail
Methyl Methacrylate	Fresh Water	0.94 mg/l	Assessment Factors
	Marine Water	0.94 mg/l	Assessment Factors
	Intermittent Releases	0.94 mg/l	Assessment Factors
	Sewerage Treatment Plant	10 mg/l	Assessment Factors
	Fresh Water Sediment	5.74 mg/kg dwt	Equilibrium Partitioning
2-Ethylhexyl Acrylate	Soil	1.47 mg/kg dwt	Equilibrium Partitioning
	Fresh Water	0.00272 mg/l	-
	Marine	0.000272 mg/l	-
	Sewerage Treatment Plant	0.011 mg/l	-
	Fresh Water Sediment	2.3 mg/l	-
Soil	1 mg/kg	-	

## 8.2 Exposure controls

Appropriate engineering controls: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. Air-fed protective respiratory equipment must be worn by the spray operator, even when good ventilation is provided. In other operations, if local exhaust ventilation and good general extraction are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn. (See Personal protection)

General protective and hygienic measures:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Breathing equipment:	Recommended: organic vapour. (Type A)
Protection of hands:	There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
Material of gloves:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 1-4 hours (breakthrough time): Butyl rubber. The recommendation for the type or types of glove to use when handling this product is based on information from the following source: EN 374-3 : 2003. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
Eye protection:	Safety glasses with side shields. (EN166)
Body protection:	Personnel should wear antistatic clothing made of natural fibres or of high temperature-resistant synthetic fibres. (EN 1149-1) Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	
Form:	Liquid.
Colour:	Various colours.
Odour:	Ester-like.
Odour threshold:	Not available.
pH-value:	Not available.
Change in condition:	
Melting point/melting range:	Not available.
Initial boiling point/boiling range:	101°C (MMA).
Flash point:	13°C.
Evaporation rate:	Not available.
Flammability (solid, gaseous):	Not available.
Critical values for explosion:	
Lower:	1.7% (MMA).
Upper:	12.5% (MMA).
Vapour pressure at 20°C:	38.7 hPa (MMA).
Vapour density:	Not available.
Relative density:	1.04 g/cm <sup>3</sup> .
Solubility in / miscibility with water:	Insoluble in water.
Partition coefficient (n-octanol/water):	LogPow: 4.29 (2-EHA); (25°C, OECD 107). LogPow: 1.38 (MMA).

Auto ignition temperature: Not available.  
Decomposition temperature: Not available.  
Viscosity: Kinematic (20°C): 70s (ISO 6mm).  
Explosive properties: Not available.  
Oxidising properties: Not available.

## 9.2 Other information

No additional information.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see Section 7).

### 10.3 Possibility of hazardous reactions

Exothermic reaction.  
Reacts with peroxides and other radical forming substances.  
A hazardous polymerization may occur after the exhaustion of the inhibitor.

### 10.4 Conditions to avoid

In a fire, hazardous decomposition products may be produced.  
Avoid heat and direct sunlight.  
Avoid sources of ignition.

### 10.5 Incompatible materials

Keep away from: oxidising agents, strong alkalis, strong acids, amines, alcohols, water. Uncontrolled exothermic reactions occur with amines and alcohols.

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. If involved in a fire, toxic gases including CO, CO<sub>2</sub> and smoke can be generated.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

There are no data available on the mixture itself.

#### Acute toxicity:

Product/Ingredient Name	Result	Species	Dose	Exposure
Methyl Methacrylate	LC50 Inhalation Vapour	Rat	78000 mg/m <sup>3</sup>	4 hours
	LD50 Dermal	Rabbit	5000 mg/Kg	-
	LD50 Oral	Rat	7872 mg/Kg	-
2-Ethylhexyl Acrylate	LD50 Oral	Rabbit	7522 mg/kg	-
	LD50 Oral	Rat	4435 mg/Kg	-

Conclusion/Summary: Based on available data, the classification criteria are not met.



**Irritation/corrosion:**

Product/Ingredient Name	Result	Species	Score	Exposure	Observation
Methyl Methacrylate	Skin - Oedema	Rabbit	0	24 hrs 0.5 ml	72 hours
	Skin – Erythema/Eschar	Rabbit	0.08	24 hrs 0.5 ml	72 hours
	Eyes – Cornea Opacity	Rabbit	0	24 hrs 0.1 ml	7 days
	Eyes – Oedema of the conjunctivae	Rabbit	0	24 hrs 0.1 ml	7 days
2-Ethylhexyl Acrylate	Eyes – Mild Irritant	Rabbit	-	24 hrs 500 mg	-
	Eyes – Severe Irritant	Rabbit	-	5 mg	-
	Skin – Mild Irritant	Rabbit	-	500 mg	-
	Skin – Moderate Irritant	Rabbit	-	24 hrs 20 mg	-
	Skin – Severe Irritant	Rabbit	-	254 hrs 10 mg	-
	Eyes – Oedema of the conjunctivae	Rabbit	0.25	>9 hrs	9 days

Conclusion/Summary: Skin: Based on available data, the classification criteria are not met.  
Eyes: Non-irritating.  
Skin: Non-irritating.  
Respiratory: Based on available data, the classification criteria are not met.

**Sensitisation:**

Product/Ingredient Name	Route of Exposure	Species	Result
Methyl Methacrylate	Skin	Mouse	Sensitising
2-Ethylhexyl Acrylate	Skin	Mouse	Sensitising

Conclusion/Summary: Skin: Sensitising.  
Respiratory: Not available.

**Mutagenicity:**

Product/Ingredient Name	Test	Experiment	Result
2-Ethylhexyl Acrylate	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria Metabolic activation: with and without	Negative
	OECD 486 Unscheduled DNA Synthesis (UDS) Test with mammalian Liver cells in Vivi	Experiment: In vivo Subject: Mammalian-Animal	Negative

Conclusion/Summary: Based on available data, the classification criteria are not met.

**Carcinogenicity:**

Conclusion/Summary: Based on available data, the classification criteria are not met.

**Reproductive toxicity:**

Conclusion/Summary: Based on available data, the classification criteria are not met.

**Teratogenicity:**

Conclusion/Summary: Based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure):**

Product/Ingredient Name	Category	Route of Exposure	Target Organs
Methyl Methacrylate	Category 3	Not applicable	Respiratory tract irritation
2-Ethylhexyl Acrylate	Category 3	Not applicable	Respiratory tract irritation

**Specific target organ toxicity (repeated exposure):**

Not available

**Aspiration hazard:**

Not available

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

There is no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

Product/Ingredient Name	Result	Species	Exposure
Methyl Methacrylate	Acute EC50 > 110 mg/l Fresh Water	Algae – Pseudokirchnerella subcapitata	72 hours
	Acute EC50 69 mg/l Fresh Water	Daphnia – Daphnia magna	48 hours
	Acute LC50 130000 ug/l Fresh Water	Fish – pimephales promelas - adult	96 hours
	Acute NOEC 49 mg/l Fresh Water	Algae – Pseudokirchnerella subcapitata	72 hours
	Chronic NOEC 37 mg/l Fresh Water Chronic NOEC 9.4 mg/l Fresh Water	Daphnia – Daphnia magna Fish – Danio rerio	21 days 35 days
2-Ethylhexyl Acrylate	Acute EC50 1.71 mg/l	Algae	72 hours
	Acute EC50 5.2 mg/l Fresh Water	Algae – Pseudokirchnerella subcapitata	96 hours
	Acute LC50 1.3 mg/l	Daphnia	48 hours
	Acute LC50 1.81 mg/l	Fish	96 hours

Conclusion/Summary: Not available.

### 12.2 Persistence and degradability

Product/Ingredient Name	Test	Result	Dose	Inoculum
2-Ethylhexyl Acrylate	OECD 301F Ready Biodegradability – Manometric Respiratory Test	>80% - Readily – 28 Days	-	-

Conclusion/Summary: Not available

Product/Ingredient Name	Aquatic half life	Photolysis	Biodegradability
Methyl Methacrylate	-	-	Readily
2-Ethylhexyl Acrylate	-	-	Readily

### 12.3 Bio accumulative potential

Product/Ingredient Name	LogPow	BCF	Potential
Methyl Methacrylate	1.38	2	Low
2-Ethylhexyl Acrylate	3.67	270	Low

### 12.4 Mobility in soil

Not available.

### 12.5 Results of PBT and vPvB assessment

Not available.

### 12.6 Other adverse effects

No known significant effects or critical hazards.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods




**Recommendation:** The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous Waste:** Yes.

**Disposal considerations:** Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

**European Waste catalogue (EWC):** 08 01 11\* Waste paint and varnish containing organic solvents or other dangerous substances.

### 14. TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA
<b>14.1 UN number</b>	UN 1263	UN 1263	UN 1263
<b>14.2 UN proper shipping name</b>	Paint related product	Paint related product	Paint related product
<b>14.3 Transport class(es)</b>	3 Flammable liquids 	3 Flammable liquids 	3 Flammable liquids 
<b>14.4 Packing group</b>	III	III	III
<b>14.5 Environmental hazards</b>	-	-	-
<b>14.6 Tunnel restriction code</b>	D/E	D/E	D/E

**Marine pollutant:** No.

#### 14.7 Special precautions for user

**Warning:** Flammable liquids.  
**Kemler Number:** 30.

Due to its relatively high viscosity this normally Packing Group II classified product has been re-assigned as Packing Group III in accordance with ADR section 2.2.3.1.4.

Due to its relatively high viscosity this normally Packing Group II classified product has been re-assigned as Packing Group III in accordance with section 2.3.2.3 of the IMDG Code providing it is in receptacles of no greater than 30 litres.

#### Special Precautions for user:

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## 15. REGULATORY INFORMATION

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

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.

CN Code: 3208 90 91.

EU regulation (EC) 1907/2006 (REACH).

Annex XIV - List of substances subject to authorization.

Annex XIV - None of the components are listed.

Substances of very high concern - None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles - Not applicable.

Other EU Regulations:

VOC for Ready-for-use mixture - Not determined.

Europe inventory - Not determined.

### 15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

## 16. OTHER INFORMATION

Indicates information that has changed from previously issued version.

### Abbreviations and acronyms:

ATE:	Acute Toxicity Estimate.
CLP:	Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008].
DMEL:	Derived Minimal Effect Level.
DNEL:	Derived No Effect Level.
EUH statement:	CLP-specific Hazard Statement.
PBT:	Persistent, Bioaccumulative and Toxic.
PNEC:	Predicted No Effect Concentration.
RRN:	REACH Registration Number.
vPvB:	Very Persistent and Very Bioaccumulative.

### Procedure used to derive the classification according to regulation (EC) 1272/2008 [CLP/GHS]:

Classification	Justification
Flamm Liq 2 H225	On basis of test data
Skin Irrit 2. H315	Calculation method
Skin Sens 1 H 317	Calculation method
STOT SE3, H 335	Calculation method

### Full text of abbreviated H Statements:

H225:	Highly flammable liquid and vapour.
H315:	Causes skin irritation.
H317:	May cause an allergic skin reaction.
H335:	May cause respiratory irritation.
H412:	Harmful to aquatic life with long lasting effects.

### Full text of Classifications [CLP/GHS]:

Flam. Liq. 2, H225:	Flammable liquids - Category 2.
Skin Irrit. 2, H315:	Skin corrosion/irritation - Category 2.
Skin Sens. 1, H317:	Skin sensitization - Category 1.
STOT SE 3, H335:	Specific target organ toxicity (single exposure) [Respiratory tract irritation] - Category 3.

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