

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

### 1.1 Product identifier

Trade name/designation: Caltech FCP Detail.

### 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. 3, H226  
Acute Tox. 4, H332  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
Repr. 2, H361d (Unborn child)  
STOT SE 3, H335 (Respiratory tract irritation)  
STOT RE 1, H372 (Ears)  
Aquatic Chronic 3, H412

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

See Section 16 for the full text of the H-statements declared above.

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

Hazard pictures:



Signal word: Danger.

Hazard statements:  
H226: Flammable liquid and vapour.  
H332: Harmful if inhaled.  
H319: Causes serious eye irritation.  
H315: Causes skin irritation.  
H361d: Suspected of damaging the unborn child.  
H335: May cause respiratory irritation.  
H372: Causes damage to organs (ears) through prolonged or repeated exposure.  
H412: Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

**Prevention:**

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P280: Wear protective gloves: 4 -8 hours (breakthrough time): fluor rubber (Viton) (0.70 mm); < 1 hour (breakthrough time): Nitril rubber (0.4 mm). Wear eye or face protection. Wear protective clothing.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.  
P273: Avoid release to the environment. P260 -Do not breathe vapour.  
P270: Do not eat, drink or smoke when using this product  
P264: Wash hands thoroughly after handling.

**Response:**

P314: Get medical attention if you feel unwell.  
P308+P313: IF exposed or concerned: Get medical attention.  
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+P364: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.  
P332+P313: If skin irritation occurs: Get medical attention.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical attention

**Storage:**

P235: 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]
Styrene CAS: 100-42-5 EC Number: 202-851-5 REACH number: 01-2119457861-32-xxxx	20-35%	Flamm Liq 3 H226 Acute Tox 4. H332 Eye Irrit 2. H319 Skin Irrit 2. H315 Resp 2 H361d (unborn child) STOT SE 3 H335 – (Respiratory Tract Irritation) STOT RE 1 H372 (ears) (inhalation) Asp. Tox 1.H 304 Aquatic Chronic 3.H412
Aluminium Oxide CAS: 21 645-51-2 EC: Not available REACH: Not available	20-35%	

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.
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:

Eye contact:	Causes serious eye irritation.
Inhalation:	Harmful if inhaled. May cause respiratory irritation.
Skin contact:	Causes skin irritation.
Ingestion:	Irritating to mouth, throat and stomach.

#### 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><li>- headache</li><li>- nausea</li><li>- dizziness</li><li>- reduced foetal weight</li></ul>

Skin contact: Adverse symptoms may include the following:  
- irritation  
- redness

Ingestion: Adverse symptoms may include the following:  
- stomach-ache  
- vomiting

#### 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: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.

#### For safety reasons unsuitable extinguishing agents:

Do not use water jet.

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

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

### 5.3 Advice for fire-fighters

#### Protective equipment:

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. ACCIDENTAL 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). Preferably clean with a detergent. Avoid using solvents.

### 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:**

Keep away from heat, sparks and flame. No sparking tools should be used.  
Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray, mist, vapour or fumes arising from the application of this mixture. Avoid inhalation of dust from sanding.  
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.  
Put on appropriate personal protective equipment if required (see Section 8).  
Never use pressure to empty. Container is not a pressure vessel.  
Always keep in containers made from the same material as the original one.  
Comply with the health and safety at work laws.  
Do not allow to enter drains or watercourses.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

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

Store in accordance with local regulations.

**Notes on joint storage:**

Keep away from: oxidising agents, strong alkalis, and strong acids.

**Additional information on storage conditions:**

Observe label precautions. Store in a dry, cool, and well-ventilated area. Keep away from heat and direct sunlight.  
Keep container tightly closed.  
Keep away from sources of ignition. No smoking. Prevent unauthorised access.  
Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end uses(s)

No data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Product/Ingredient Name	Exposure Limit Values
Styrene	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011)</b> STEL: 1080 mg/m <sup>3</sup> 15 minutes. STEL: 250 ppm 15 minutes. TWA: 430 mg/m <sup>3</sup> 8 hours. TWA: 100 ppm 8 hours.

**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
Styrene	DNEL	Short Term Inhalation	289 mg/m <sup>3</sup> (67ppm)	Workers	Systemic
	DNEL	Short Term Inhalation	306 mg/m <sup>3</sup> (71ppm)	Workers	Local
	DNEL	Long Term Inhalation	85 mg/m <sup>3</sup> (20ppm)	Workers	Systemic
	DNEL	Short Term Inhalation	174,25 mg/m <sup>3</sup> (41ppm)	Consumers	Systemic
	DNEL	Short Term Inhalation	182.75 mg/m <sup>3</sup> (43ppm)	Consumers	Local
	DNEL	Long Term Inhalation	10.2 mg/m <sup>3</sup> (2.4ppm)	Consumers	Systemic
	DNEL	Long Term Dermal	406 mg/kg bw/day	Workers	Systemic
	DNEL	Long Term Dermal	343 mg/kg bw/day	Consumers	Systemic
	DNEL	Long Term Oral	2.1 mg/kg bw/day	Consumers	Local
Aluminium Oxide	DNEL	Long Term Inhalation	3.59 mg/m <sup>3</sup>	Workers	Local
	DNEL	Long Term Oral	2.37 mg/kg bw/day	Consumers	Systemic

**PNECs:**

Product/Ingredient Name	Compartment Detail	Value	Method Detail
Styrene	Fresh Water	0.028 mg/l	Assessment Factors
	Marine Water	0.014 mg/l	Assessment Factors
	Fresh Water Sediment	0.614 mg/kg dwt	-
	Marine Water Sediment	0.307 mg/l	-
	Sewerage Treatment Plant	5 mg/l	Assessment Factors
	Soil	0.2 mg/kg dwt	-
	Intermittent Releases	0.04 mg/l	Assessment Factors
Aluminium Oxide	Sewage Treatment Plant	20 mg/l	-

**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. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

**Personal protective equipment:** 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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Respiratory protection:** If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: organic vapour (Type A) and particulate filter (EN 140).

**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. 4 -8 hours (breakthrough time): fluor rubber (Viton) (0.70 mm) < 1 hour (breakthrough time): Chloroprene, neoprene rubber (0.4 mm).
Eye protection:	Safety glasses with side shields. (EN166)
Body protection:	Wear overalls or long-sleeved shirt. (EN467)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance:	
Form:	Liquid.
Colour:	Various (depending on pigment).
Odour:	Pungent.
Odour threshold:	0.15ppm to 25 ppm (Styrene).
pH-value:	Not available.
Change in condition:	
Melting point/melting range:	Not available.
Initial boiling point/boiling range:	145°C.
Flash point:	32°C (estimate).
Evaporation rate:	12.4 (compared to Butyl Acetate).
Flammability (solid, gaseous):	Combustible when exposed to heat or flames.
Critical values for explosion:	
Lower:	1.1%.
Upper:	6.1%.
Vapour pressure at 20°C:	0.67 kPa.
Vapour density:	3.6 (Air = 1).
Relative density:	1.23 g/cm <sup>3</sup> (20°C).
Solubility in / miscibility with water:	Insoluble in water.
Partition coefficient (n-octanol/water):	Not available.
Auto ignition temperature:	490°C.
Decomposition temperature:	Not available.
Viscosity:	2000 mPas-3000 mPas @ 23°C.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
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

Under normal conditions of storage and use, hazardous reactions will not occur.

#### 10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

#### 10.5 Incompatible materials

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.

#### 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.

#### Other information:

Emergency procedures will vary depending on conditions. The customer must have an emergency response plan in place.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

There are no data available on the mixture itself.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

#### Acute Toxicity:

Product/Ingredient Name	Result	Species	Dose	Exposure
Styrene	LC50 Inhalation Vapour	Rat	10-20 mg/kg	4 hours
	LD50 Oral	Rat	>5000 mg/kg	-
	LDL0 Dermal	Rat – Male/Female	>2000 mg/kg	-
Aluminium Oxide	LD50 Oral	Rat	>5000 mg/kg	
	LC50 Inhalation Vapour	Rat	>2.3 mg/l	4 hours

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

#### Irritation/corrosion:

Conclusion/Summary: Skin: Causes skin irritation.  
Eyes: Causes serious eye irritation.  
Respiratory: Based on available data, the classification criteria are not met.

#### Sensitisation:

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

#### Mutagenicity:

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
Styrene	Category 3	Not applicable	Respiratory tract irritation

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

Product/Ingredient Name	Category	Route of Exposure	Target Organs
Styrene	Category 1	Not applicable	Ears

**Aspiration hazard:**

Product/Ingredient Name	Result
Styrene	Aspiration Hazard – Category 1

**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
Styrene	Acute EC50 4.9mg/l Fresh Water	Algae	72 hours
	Acute EC50 4.7mg/l Fresh Water	Daphnia	48 hours
	Acute LC50 10 mg/l Fresh Water Chronic	Fish	96 hours
	NOEC 1.01 mg/l Fresh Water	Daphnia	21 Days
Aluminium Oxide	Acute EC50 > 10000 mg/l	Daphnia	48 hours
	Acute LC50 > 10000 mg/l	Fish	96 hours

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

**12.2 Persistence and degradability**

Product/Ingredient Name	Test	Result	Dose	Inoculum
Styrene	-	73.2% - 28 days	-	-

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

Product/Ingredient Name	Aquatic half life	Photolysis	Biodegradability
Styrene	-	-	Readily

**12.3 Bio accumulative potential**

Product/Ingredient Name	LogPow	BCF	Potential
Styrene	3	13.49	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. Residues in empty containers should be neutralised with a decontaminant (see Section 6). 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 material can be considered non-hazardous in accordance to ADR 14.8. 2.2.3.1.5 when packed in receptacles of less than 450 litres.

Due to its relatively high viscosity, and in accordance with section 2.3.2.5 of the IMDG code, this material is 14.9. not subject to the provisions for marking, labelling and testing of packages, when packed 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 applicable.  
 Europe inventory - All components are listed or exempted.  
 National regulations.

**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 3 H226	On basis of test data
Acute Tox 4, H332	Calculation method
Eye Irrit 2, H319	Calculation method
Skin Irrit 2, H315	Calculation method
STOT SE 3 H335 (Respiratory tract irritation)	Calculation method
STOT RE 1 H372 (Ears) (Inhalation)	Calculation method
Aquatic Chronic 3, H412	Calculation method
Resp 2, H361d (Unborn child)	Calculation method

**Full text of abbreviated H Statements:**

H226: Flammable liquid and vapour.  
 H361d: Suspected of damaging the unborn child.  
 H332: Harmful if inhaled.  
 H372: Causes damage to organs through prolonged or repeated exposure if inhaled. (ears)  
 H319: Causes serious eye irritation.  
 H315: Causes skin irritation  
 H412: Harmful to aquatic life with long lasting effects  
 H304: May be fatal if swallowed and enters airways.  
 H335: May cause respiratory irritation.

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

Flam. Liq. 3, H226:	Flammable Liquids Category 3.
Asp Tox 1, H304:	Aspiration Hazard - Category 1.
Acute Tox. 4, H332:	Inhalation Hazard - Category 4.
Skin Irrit. 2, H315:	Skin Corrosion / Irritation - Category 2.
Eye Irrit. 2, H319:	Serious Eye damage / Eye Irritation - Category 2.
Repr. 2, H361d (Unborn child):	Toxic for Reproduction (Unborn child) – Category 2.
STOT RE 1, H372:	Specific Target Organ Toxicity (Repeated Exposure) – Category 1 (Ears) (Inhalation)
Aquatic Chronic 3, H412:	Long Term Aquatic Hazard – Category 3.
STOT SE 3, H335:	Specific Target Organ Toxicity (Single Exposure) (Respiratory tract irritation) – Category 3.

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