

## Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017  
Revision: - 1<sup>st</sup> Issue: 02/02/2017  
Pages: 1 of 17

### 1. Identification of the substrate/preparation and of the company/undertaking

#### 1.1. Product identifier

Trade name/designation : Monoscreed Resin

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

Main use category : Industrial uses  
Use of the substance/mixture : Grout resin

#### 1.3. Manufacturer/Supplier

Supplier:  
Alumasc Exterior Building Products Ltd  
White House Works, Bold Road, Sutton, St Helens, Merseyside, WA9 4JG. United Kingdom  
Tel: +44 (0)1744 648400 E-mail: [roofing@alumasc-exteriors.co.uk](mailto:roofing@alumasc-exteriors.co.uk)

#### 1.4. Emergency telephone number

Emergency telephone : Alumasc 01744 648 400  
(Mon-Thur - 08.30-17.00 Fri - 08.30-16.00)

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition: Mixture

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

Flam. Liq. 2; H225  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Skin Sens. 1; H317  
STOT SE 3; H335

See Section 16 for the full text of the H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

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

Hazard pictograms



Signal word

: Danger

Hazard statements

: H225: Highly flammable liquid and vapour.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.

Precautionary statements

: P210: Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P233: Keep container tightly closed.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P337+P313: If eye irritation persists: Get medical advice/attention.

## 3. Composition and information about the components

### 3.1. Substance

Not applicable

### 3.2. Mixture

Chemical characterization

Mixture with reactive acrylates

### Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017

Revision: - 1<sup>st</sup> Issue: 02/02/2017

Pages: 3 of 17

Ingredient		Classification (EC) 1272/2008	Concentration
methyl methacrylate	CAS No. : 80-62-6 EC-No. : 201-297-1 Index-No. : 607-035-00-6 REACH No. : 01-2119452498-28-XXXX	Flam. Liq. 2; H225 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1; H317	70.0 - 75.0 % by weight
2-ethylhexyl acrylate	CAS No. : 103-11-7 EC-No. : 203-080-7 Index-No. : 607-107-00-7 REACH No. : 01-2119453158-37-XXXX	Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Chronic 3; H412	10.0 - 15.0 % by weight
aliphatic urethanacrylate		Skin Irrit. 2; H315 Eye Irrit. 2; H319	5.0 - 10.0 % by weight
1,1`-(p-Tolylimino)dipropan-2-ol	CAS No. : 38668-48-3 EC-No. : 254-075-1 REACH No. : 01-2119980937-17-XXXX	Acute Tox. 2; H300 Eye Irrit. 2; H319 Aquatic Chronic 3; H412	1.0 - 5.0 % by weight
ethyl methacrylate	CAS No. : 97-63-2 EC-No. : 202-597-5 Index-No. : 607-071-00-2	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 Skin Sens. 1; H317	0.1 - 1.0 % by weight

### 4. First-aid measures

#### 4.1 Description of first aid measures

General	: Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.
Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Skin contact	: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, get medical advice/attention.
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

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

Immediate medical attention      Treat symptomatically.

### 5. Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing                      : Recommended: Carbon dioxide (CO<sub>2</sub>), Foam, Water spray, Dry powder media

Unsuitable extinguishing media                      : High volume water jet

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

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases      :Violent polymerization may be caused by: Extremes of temperature and direct sunlight.  
Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Exposure to decomposition products may be a hazard to health.

## Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017  
Revision: - 1<sup>st</sup> Issue: 02/02/2017  
Pages: 5 of 17

### 5.3 Advice for firefighters

Special protective equipment for firefighting : In the event of fire, wear self-contained breathing apparatus.

Additional information on firefighting : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses.

## 6. Accidental release measures

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

Personal precautions : Ensure adequate ventilation. Vapours are heavier than air and may spread along floors.  
Use personal protective equipment.

### 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. Avoid subsoil penetration.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly. Treat recovered material as described in the section "Disposal considerations".

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.

6.5 Additional information Other information Treat recovered material as described in the section "Disposal considerations".

## 7. Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment. Keep product and empty container away from heat and sources of ignition. Handle and open container with care. Avoid contact with skin and eyes.

Precautions Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions

## Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017  
Revision: - 1<sup>st</sup> Issue: 02/02/2017  
Pages: 6 of 17

Advice on protection  
against fire and explosion

Take precautionary measures against static discharges. Vapours may form explosive mixture with air. Use water spray to cool unopened containers.

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

Keep in a cool, well-ventilated place. Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limits

**METHYL METHACRYLATE**  
Great Britain

Long-term exposure value/ ppm	Long-term exposure value/ mg/m <sup>3</sup>	Short-term exposure value / ppm	Short-term exposure value / mg/m <sup>3</sup>	Source
50	208	100	416	19

Source : 19 - EH40/2005 Workplace exposure limits (2011)

Europe

Long-term exposure value/ ppm	Short-term exposure value / ppm	Issuing date	Source
50	100	2009/161	24

Source : 24 - DIRECTIVE 2009/161/EU

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
210 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects Local	100
210 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects systemic	100
1,5 mg/cm <sup>2</sup>	Workers	Skin	Long term effects Local	100
13,67 mg/kg	Workers	Skin	Long term effects systemic	100
105 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects Local	100
74,3 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects, systemic	100
1,5 mg/cm <sup>2</sup>	Consumers	Skin	Long term effects Local	100
8,2 mg/kg	Consumers	Skin	Long term effects systemic	100
1,5 mg/cm <sup>2</sup>	Consumers	Skin	Short-term effects Local	100

Source : 100 - Firmendaten

### Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017

Revision: - 1<sup>st</sup> Issue: 02/02/2017

Pages: 7 of 17

#### PNEC

Value	Exposure route	Source
0,94 mg/l	freshwater	100
0,094 mg/l	marine water	100
5,74 mg/kg	sediment	100
1,47 mg/kg	Soil	100

Source : 100 - Firmendaten

#### 2-ETHYLHEXYL ACRYLATE

#### DNEL

Value	Target group	Exposure route	Exposure frequency	Source
37,5 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects Local	100
0,242 mg/cm <sup>2</sup>	Workers	Skin	Long term effects Local	100
0,242 mg/cm <sup>2</sup>	Workers	Skin	Short-term effects Local	100
4,5 mg/m <sup>3</sup>	Consumers	Inhalation	Long term effects Local	100

Source : 100 - Firmendaten

#### PNEC

Value	Exposure route	Source
0,002752 mg/l	fresh water	100
0,000272 mg/l	seawater	100
2,3 mg/l	wastewater treatment plant	100
0,126 mg/kg	sediment Water	100
0,126 mg/kg	sediment seawater	100
1,0 mg/kg	Soil	100
0,0023 mg/kg	Intermittent release.	100

Source : 100 - Firmendaten

#### 1,1`-(p-Tolylimino)dipropan-2-ol

#### DNEL

Value	Target group	Exposure route	Exposure frequency	Source
2 mg/m <sup>3</sup>	Workers	Inhalation	Long term effects	100
0,6 mg/kg	Workers	Skin	Long term effects	100

Source : 100 - Firmendaten

#### PNEC

Value	Exposure route	Source
199,5	Waste water treatment	100
0,0072 mg/kg	marine water	100
0,017 mg/l	freshwater	100

Source : 100 - Firmendaten

## Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017  
 Revision: - 1<sup>st</sup> Issue: 02/02/2017  
 Pages: 8 of 17

### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
2-methoxy-1-methylethyl acetate	DNEL	Long term Inhalation	275 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	153.5 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	54.8 mg/m <sup>3</sup>	Consumers	Systemic
	DNEL	Long term Oral	1.67 mg/m <sup>3</sup>	Consumers	Systemic
4,4'-methylenediphenyl diisocyanate	DNEL	Dermal	28.7 mg/cm <sup>2</sup>	-	Local
	DNEL	Inhalation	0.1 mg/m <sup>3</sup>	-	Local
	DNEL	Long term Inhalation	0.05 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Inhalation	0.05 mg/m <sup>3</sup>	Workers	Local

### PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
2-methoxy-1-methylethyl acetate	Fresh water	0.635 mg/l	-
	Fresh water sediment	3.29 mg/kg	-
	Marine water sediment	0.329 mg/kg	-
	Soil	0.29 mg/kg	-
	Sewage Treatment Plant	100 mg/l	-
4,4'-methylenediphenyl diisocyanate	Fresh water	>1 mg/l	-
	Marine water	>0.1 mg/l	-
	Soil	>1 mg/kg dwt	-
	Sewage Treatment Plant	>1 mg/l	-

### 8.2 Exposure controls

#### Respiratory protection

Vapour during processing may be irritating to the respiratory tract and to the eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### Remarks :

Recommended Filter type: A1, A2 (in case of higher concentration)

Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

#### Hand protection

Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

#### Unsuitable material :

Woven fabric, Leather gloves



## Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017  
Revision: - 1<sup>st</sup> Issue: 02/02/2017  
Pages: 9 of 17

Suitable material :	Nitriles
Material thickness :	0,38 mm
Break through time :	<25 min
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment. Long sleeved clothing
General protective and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.
Engineering measures	Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state	: Liquid.
Colour	: Colourless, clear
Odour	: Typic for acrylates
pH	: Not available.
Initial boiling point and boiling range	: > 100 °C.
Flash point	: 10 °C
Evaporation rate	: Not available.
Evaporation rate [kg/(s*m <sup>2</sup> )]	not determined
Burning time	: Not applicable.
Burning rate	: Not applicable.
Upper/lower flammability or explosive limits	: Not available.
Vapour pressure	: 47 hPa
Vapour density	: Not determined.
Relative density	: 0,96 g/cm <sup>3</sup> at 20 °C
Solubility in water	: Insoluble.
Partition coefficient: n-octanol/water	: Not available.
Explosive properties	: Not relevant
Oxidising properties	: Not relevant



Sensitization Test species	Skin sensitization mouse
Carcinogenic effects Test species	not a carcinogen rat, mouse
Mutagenicity	not mutagenic
Reproduction toxicity	not toxic to reproduction

Specific target organ toxicity (single exposure) [mg/kg]	Source
Causes respiratory tract irritation. Source : 100 - Firmendaten	100

Specific target organ toxicity (repeated exposure) [mg/kg]	Source
No known effect. Source : 100 - Firmendaten	100

### 2-ETHYLHEXYL ACRYLATE

Oral toxicity [mg/kg]	Test criterion	Test species	Source
4435 mg/kg Source : 100 - Firmendaten	LD50	rat	100

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
7522 mg/kg Source : 100 - Firmendaten	LD50	rabbit	100

Inhalative toxicity [mg/l]	Test species	Exposure duration	Source
1,19 mg/l Source : 100 - Firmendaten	rat	8 hours	100

Irritant effect on skin Test species Exposure duration	Skin irritation Rabbit 4 h
Irritant effect on eyes Measuring method Test species	Slightly irritating OECD Test Guideline 405 Rabbit
Sensitization	Skin sensitization
Carcinogenic effects	No known effect.
Mutagenicity	No known effect.
Reproduction toxicity	No known effect.

## Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017  
Revision: - 1<sup>st</sup> Issue: 02/02/2017  
Pages: 12 of 17

Specific target organ toxicity (single exposure) [mg/kg]	Source
Causes respiratory tract irritation.	100

Source : 100 - Firmendaten

Specific target organ toxicity (repeated exposure) [mg/kg]	Source
No known effect.	100

Source : 100 - Firmendaten

### 1,1`-(p-Tolylimino)dipropan-2-ol

Oral toxicity [mg/kg]	Test criterion	Test species	Source
45 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
2001 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Irritant effect on skin	No skin irritation
Irritant effect on eyes	Irritant
Sensitization	No sensitization responses were observed.
Mutagenicity	negative

### 11.2 Additional information

Experience in practice

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritating to eyes, respiratory system and skin. Irritating to mucous membranes

## 12. Ecological information

### 12.1 Toxicity

**Hazardous ingredients**

**METHYL METHACRYLATE**

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
191 mg/l	LC50	Oncorhynchus mykiss (rainbow trout)	OECD Test Guide-line 203	96 h	100

Source : 100 - Firmendaten

## Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017  
Revision: - 1<sup>st</sup> Issue: 02/02/2017  
Pages: 13 of 17

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
69 mg/l	EC 50	Daphnia magna (Water flea)	48 h	OECD Test Guide-line 202	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
>110 mg/l	EC 50	Selenastrum capri-cornutum (green algae)	72 h	OECD Test Guide-line 201	100

Source : 100 - Firmendaten

NOEC (fish) [mg/l]	Test species	Measuring method	Source
9,4	Brachydanio rerio (zebra fish)	OECD Test Guideline 210	100

Source : 100 - Firmendaten

NOEC (daphnia) [mg/l]	Test species	Measuring method	Source
37	Daphnia magna (Water flea)	OECD Test Guideline 202	100

Source : 100 - Firmendaten

Biodegradability Readily biodegradable.  
Method of analysis OECD 301C/ ISO 9408/ EEC  
92/69/V, C.4-F Bioaccumulation Does not bioaccumulate.  
Mobility  
Mobility Terrestrial Compartment Not relevant  
**2-ETHYLHEXYL ACRYLATE**

Toxicity to fish [mg/l]	Test criterion	Test species	Measuring method	Exposure duration	Source
1,81	LC50	Oncorhynchus mykiss (rainbow trout)	OECD Test Guide-line 203	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
1,3	EC 50	Daphnia magna (Water flea)	48 h	OECD Test Guide-line 202	100

Source : 100 - Firmendaten

## Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017  
Revision: - 1<sup>st</sup> Issue: 02/02/2017  
Pages: 14 of 17

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Measuring method	Source
1,71	ErC50	Desmodesmus subspicatus	72 h	OECD Test Guideline 201	100

Source : 100 - Firmendaten

NOEC (algae) [mg/l]	Test species	Measuring method	Source
0,45	Desmodesmus subspicatus	OECD Test Guideline 201	100

Source : 100 - Firmendaten

Biodegradability Readily biodegradable.  
Ready degradability  
Bioaccumulation Bioaccumulation slight, log Pow 4,64

### 1,1`-(p-Tolylimino)dipropan-2-ol

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
17	LC50	Brachydanio rerio (zebra fish)	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
28,8	EC 50	Daphnia magna (Water flea)	18 h	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
245	EC 50	Desmodesmus subspicatus	27 h	100

Source : 100 - Firmendaten

Biodegradability Poorly biodegradable.  
Bioaccumulation no data available

### 12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

### 12.6 Other adverse effects

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).




### 13. Disposal considerations

#### 13.1 Waste treatment methods

Disposal considerations According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:

Waste Code	Waste designation
08 04 10:	Waste adhesives and sealants other than those mentioned in 08 04 09 The EWC Nr. only apply for the liquid product.
08 01 12	Waste paint and varnish other than those mentioned in 08 01 11 The EWC Nr. only apply for the liquid product.
17 02 03	Plastic This EWC Nr. only apply for the hardened product.
08 04 09*	Waste adhesives and sealants containing organic solvents or other dangerous substances

### 14. Transport information

	ADR/RID	IMDG	IATA
14.1 UN number	Not regulated.	UN1263	UN1263
14.2 UN proper shipping name	-	PAINT	Paint
14.3 Transport hazard class(es)	3. 	3. 	3. 
14.4 Packing group	II	II	II
Risk No.	33		
Category	2		
Factor	3		
Classification Code	F1		
SP 640	640D		
Tunnel restriction	D/E		
Remarks	(including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)	(including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)	(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)
EmS		F-E;_S-E	
Stowage category		B	

## Safety Data Sheet Monoscreed Resin

Sheet No: M302bFR Issued: 02/02/2017  
Revision: - 1<sup>st</sup> Issue: 02/02/2017  
Pages: 16 of 17

### 14.6 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

Additional regulations                      Additionally, observe any national regulations!

## 16. Other information

### Abbreviations and acronyms:

ATE	=	Acute Toxicity Estimate
CLP	=	Classification, Labelling and Packaging Regulation according to 1272/2008/EC
DMEL	=	Derived Minimal Effect Level
DNEL	=	Derived No Effect Level
IATA	=	International Air Transport Association
IMDG	=	International Maritime Dangerous Goods Code
LEL	=	Lower Explosive Limit/Lower Explosion Limit
UEL	=	Upper Explosive Limit/Upper Explosive Limit
REACH	=	Registration, Evaluation, Authorisation and Restriction of Chemicals
RRN	=	REACH Registration Number
EC50	=	Median Effective Concentration
LC50	=	Median lethal concentration
LD50	=	Median lethal dose
TLV	=	Threshold Limits
TWA	=	Time Weighted Average
STEL	=	Short Term Exposure Limit
NA	=	Not Applicable
PBT	=	Persistent, Bio accumulating and Toxic
vPvB	=	Very Persistent and Very Bioaccumulative

### Full text of abbreviated H statements:

H225	Highly flammable liquid and vapour.
H300	Fatal if swallowed. H315: Causes skin irritation.
H317	May cause an allergic skin reaction. H319: Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects..

### Full text of classifications [CLP/GHS]

Flam. Liq. Flammable liquid  
Skin Irrit. Skin irritation  
Eye Irrit. Serious eye irritation  
Skin Sens.: Skin sensitization  
STOT SE Specific target organ toxicity - single exposure  
Aquatic Chronic: Hazardous to the aquatic environment  
Acute Tox.: Acute toxicity



Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification	evaluation
Flam. Liq. 2; H225	
Skin Irrit. 2; H315	
Eye Irrit. 2; H319	
Skin Sens. 1; H317	
STOT SE 3; H335	

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.