

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Glass Cleaner

Ref: M706FR

Revision date : 08.01.2015

Version : 1 /en

# ALUMASC

ROOFING SYSTEMS

Print date : 26.01.2017

## SECTION1:Identificationofthesubstance/mixtureandofthecompany/undertaking

### 1.1 Product identifier

Commercial Product Name                      Caltech QC Glass Cleaner 750 ml Transparent

### 1.3 Details of the supplier of the safety data sheet

Address    Alumasc Exterior Building Products Ltd  
White House Works, Bold Road  
Sutton, St Helens, WA9 4JG  
Telephone : +44 (0) 1744 648 400

Responsible Department                      Technical Department  
E-mail (competent person)                      [roofing@alumasc-exteriors.co.uk](mailto:roofing@alumasc-exteriors.co.uk)

### 1.4 Emergency telephone number

Emergency telephone number                      +44 (0) 1744 648 400

## SECTION2:Hazardsidentification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008                      Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336

Classification according to Directive 67/548/EEC / 1999/45/EEC                      F; R11 Xi; R36 R66 R67

### 2.2 Label elements

Hazard pictogram



GHS02



GHS07

Signal word

**Danger**

H-statement(s)

H225: Highly flammable liquid and vapour.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.

P-statement(s)

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.

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Glass Cleaner

Ref: M706FR

Revision date : 08.01.2015

Version : 1 /en

# ALUMASC

ROOFING SYSTEMS

Print date : 26.01.2017

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313: If eye irritation persists: Get medical advice/attention.

Further information

*EUH066: Repeated exposure may cause skin dryness or cracking.*

## SECTION3:Composition/informationoningredients

### 3.1 Substances

Ingredient	Classification (EEC) No 67/548	Classification (EC) 1272/2008	Concentration
acetone	CAS No. : 67-64-1	F; R11 Xi; R36 R66 R67	>= 95.0 % by weight
	EC-No. : 200-662-2	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	
	Index-No. : 606-001-00-8		
	REACH No. : 01-2119471330-49-XXXX		

## SECTION4:Firstaidmeasures

### 4.1 Description of first aid measures

*General advice*

*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.*

*If inhaled*

*Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.*

*In case of 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.*

*In case of eye contact*

*In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*

*If swallowed*

*Rinse mouth. Do NOT induce vomiting. Call a physician immediately.*

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

*Symptoms*

*headache  
Drowsiness  
Schwindel*

## SECTION5:Firefightingmeasures

### 5.1 Extinguishing media

*Suitable extinguishing media*

*Carbon dioxide (CO2), Foam, Water spray, Dry powder*

*Extinguishing media which must not be used for safety reasons*

*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*

*Vapours may form explosive mixtures with air. Provide sufficient air exchange and/or exhaust in work rooms.  
Hazardous decomposition products formed under fire conditions. Exposure to decomposition products may be a hazard to health.*

### 5.3 Advice for firefighters

*Special protective equipment for firefighting*

*In the event of fire, wear self-contained breathing apparatus.*

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Glass Cleaner

Ref: M706FR

Revision date : 08.01.2015

Version : 1 /en

**ALUMASC**

ROOFING SYSTEMS

Print date : 26.01.2017

*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.*

## SECTION 6: Accidental release measures

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

*Personal precautions*      *Ensure adequate ventilation. Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind. Use personal protective equipment.*

### 6.2 Environmental precautions

*Environmental precautions*      *Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.*

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

*Methods for cleaning up*      *Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated surface thoroughly.*

### 6.5 Additional information

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

## SECTION 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. 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.*

*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

*Storage space and container requirements*      *Storage must be in accordance with the BetrSichV (Germany). Keep in a cool, well-ventilated place. Keep in an area equipped with solvent resistant flooring. Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.*

TRGS 510

3

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

ACETONE

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
500	1210	1500	3620	19

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

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Glass Cleaner

Ref: M706FR

Revision date : 08.01.2015

Version : 1 /en

# ALUMASC

ROOFING SYSTEMS

Print date : 26.01.2017

## Europe

Long-term exposure value/ mg/m <sup>3</sup>	Long-term exposure value/ ppm	Issuing date	Source
1 210	500	2000/39	24

Source : 24 - DIRECTIVE 2009/161/EU

## DNEL

Value	Target group	Exposure route	Exposure frequency	Source
1210 mg/m <sup>3</sup>	Workers	inhale	Long term effects systemic	100
186 mg/kg	Workers	dermal	Long term effects systemic	100
200 mg/m <sup>3</sup>	Consumers	inhale	Long term effects systemic	100
62 mg/kg	Consumers	dermal	Long term effects systemic	100
62 mg/kg	Consumers	Oral	Long term effects systemic	100
2420 mg/m <sup>3</sup>	Workers	inhale	Short-term effects	100

Source : 100 - Firmendaten

## PNEC

Value	Exposure route	Source
10,6 mg/l	fresh water	100
1,06 mg/l	marine water	100
30,4 mg/kg	fresh water sediment	100
3,04 mg/kg	marine water sediment	100
0,112 mg/kg	Soil	100
19,5 mg/l	Waste water treatment	100

Source : 100 - Firmendaten

## 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: AX

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

### Suitable material :

butyl-rubber

### Material thickness :

0,5 mm

### Break through time :

>480 min

### Suitable material :

Polyethylene (LLDPE) (Barrier" Fa.Ansell)

### Material thickness :

0,062 mm

### Break through time :

>480 min

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Glass Cleaner

Ref: M706FR

Revision date : 08.01.2015

Version : 1 /en

**ALUMASC**

ROOFING SYSTEMS

Print date : 26.01.2017

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

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Colour	colourless
Odour	aromatic
Melting point [°C] / Freezing point [°C]	-94,7 °C
Boiling point [°C]	55,8 – 56,6 °C
Measuring method :	ASTM D 97
Flash point [°C]	-18 °C
Evaporation rate [kg/(s*m <sup>2</sup> )]	not determined
Explosion limits [Vol-% ]	
Lower limit :	2,5 vol. %
Upper limit :	13,0 vol. %
Vapour pressure [kPa]	247 h/Pa
Temperature :	20 °C
Vapour density	not determined
Density [g/cm <sup>3</sup> ]	0,790-0,792 g/cm <sup>3</sup>
Measuring method :	ASTM D 4052
Water solubility [g/l]	
Remarks :	Completely miscible
Partition coefficient n-octanol /water (log P O/W)	not determined
Autoignition temperature [°C]	not determined
Viscosity, dynamic [kg/(m*s)]	0,33 mPa*s
Temperature :	20 °C
Measuring method :	ASTM D 445
Explosive properties	Not relevant
Oxidising properties	Not relevant

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Glass Cleaner

Ref: M706FR

Revision date : 08.01.2015

Version : 1 /en

**ALUMASC**

ROOFING SYSTEMS

Print date : 26.01.2017

## 9.2 Other information

Ignition temperature [°C] 540 °C  
Measuring method : ASTM 2155

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Reactivity No information available.  
Thermal decomposition no data available

### 10.2 Chemical stability

Chemical stability No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions No information available.

### 10.4 Conditions to avoid

Conditions to avoid Keep away from heat and sources of ignition.

### 10.5 Incompatible materials

Materials to avoid Reducing agents Oxidizing agents Halogenated compounds Alkali metals

### 10.6 Hazardous decomposition products

Hazardous decomposition products Under fire conditions: Carbon oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### ACETONE

Oral toxicity [mg/kg]	Test criterion	Test species	Source
5800 mg/kg	LD50	rat	100

Source : 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Source
20000 mg/kg	LD50	rabbit	100

Source : 100 - Firmendaten

LC50 Inhalation 4h for vapours [mg/l]	Test species	Measuring method	Source
76 mg/l	rat	LC50	100

Source : 100 - Firmendaten

Irritant effect on skin Repeated exposure may cause skin dryness or cracking.

Irritant effect on eyes Causes eye irritation.

Test species rabbit

Sensitization No sensitization responses were observed.

Carcinogenic effects No known effect.

Mutagenicity No known effect.

Reproduction toxicity No known effect.

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Glass Cleaner

Ref: M706FR

Revision date : 08.01.2015

Version : 1 /en

# ALUMASC

ROOFING SYSTEMS

Print date : 26.01.2017

Specific target organ toxicity (single exposure) [mg/kg]	Source
no data available	100

Source : 100 - Firmendaten

Specific target organ toxicity (repeated exposure) [mg/kg]	Source
NOAEL (No observed adverse effect level) 900 mg/kg ( rat ); 90 day(s) Oral	100

Source : 100 - Firmendaten

## 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

## SECTION 12: Ecological information

### 12.1 Toxicity

#### ACETONE

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
5540 mg/l	LC50	Oncorhynchus mykiss (rainbow trout)	96 h	100

Source : 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
12600	EC 50	Daphnia magna (Water flea)	48 h	100

Source : 100 - Firmendaten

Toxicity to algae [mg/l]	Test criterion	Test species	Exposure duration	Source
7500 mg/l	EC 50	Selenastrum capricornutum (green algae)	96 h	100

Source : 100 - Firmendaten

NOEC (algae) [mg/l]	Test species	Exposure duration	Source
4740	Pseudokirchneriella subcapitata	48 h	100

Source : 100 - Firmendaten

Biodegradability

Readily biodegradable.

Ready degradability

Bioaccumulation

Does not bioaccumulate.

### 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

Further information on ecology

See also section 12.1

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Glass Cleaner

Ref: M706FR

Revision date : 08.01.2015

Version : 1 /en

# ALUMASC

ROOFING SYSTEMS

Print date : 26.01.2017

## SECTION 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

070204 - other organic solvents, washing liquids and mother liquors

Uncleaned empty packaging

-  
-

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	1090	1090	1090
14.2 Description of the goods	ACETONE	ACETONE	ACETONE
14.2 UN proper shipping name		ACETONE	Acetone
14.3 Transport hazard class(es)	3	3	3
14.4 Packaging group	II	II	II
Labels	3 	3 	3 
Risk No.	33		
Category	2		
Factor	3		
Classification Code	F1		
Tunnel restriction code	D/E		
EmS		F-E;S-D	
Stowage category		E	

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not relevant

## SECTION 15: Regulatory information

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

Additional regulations

Additionally, observe any national regulations!

## SECTION 16: Other information

Relevant R-phrases

R11: Highly flammable.  
R36: Irritating to eyes.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

Relevant H-phrases

H225: Highly flammable liquid and vapour.  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.  
EUH066: Repeated exposure may cause skin dryness or cracking.

Wording of the hazard classes

Flam. Liq.: Flammable liquid  
Eye Irrit.: Serious eye irritation



# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name : Caltech QC Glass Cleaner

Ref: M706FR

Revision date : 08.01.2015

Version : 1 /en

**ALUMASC**

ROOFING SYSTEMS

Print date : 26.01.2017

*STOT SE: Specific target organ toxicity – single exposure*

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

<i>Classification</i>	<i>evaluation</i>
<i>Flam. Liq. 2; H225</i>	
<i>Eye Irrit. 2; H319</i>	
<i>STOT SE 3; H336</i>	

*Department issuing safety data sheet*

*Environmental Department*

*Further information*

*Full text of R-phrases referred to under sections 2 and 3*

*This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.*