

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

1.1 Product identifier

Trade name/designation: Caltech QC Glass Cleaner

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

Recommended restrictions: Reserved for industrial and professional use.

1.3 Supplier details

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

1.4 Emergency telephone number

Association / Organisation: National Poisons Information Service
Emergency telephone numbers: 0344 892 0111 (Healthcare professionals only)
Other emergency telephone numbers Alumasc Building Products: +44 17 4464 8400
(Mon-Thurs – 08.30-17.00 Fri – 08.30-16.00)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP][1]:

Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336

2.2 Label elements

Hazard pictures:



Signal word:

Danger.

Hazardous component(s) to be indicated on label:

acetone

Hazard statements:

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

Precautionary statements prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P312: Call a POISON CENTER/doctor if you feel unwell.
P337+P313: If eye irritation persists: Get medical advice/attention.

Precautionary statements disposal:

P501: Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

Further information

EUH066: Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

Hazardous ingredients

Ingredient	Numbers	Classification (EC) 1272/2008	Concentration
acetone	CAS No.: 67-64-1 EC-No.: 200-662-2 Index-No.: 606-001-00-8 REACH No.: 01-2119471330-49-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	>= 95.0 - 100.0 % by weight

4. FIRST AID MEASURES

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.
Eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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.
Inhalation:	Move to fresh air. If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	Headache Drowsiness Dizziness
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5. FIRE-FIGHTING MEASURES

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 fire-fighters

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

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

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

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

6.4 Reference to other sections

Disposal considerations see also Section 13.

6.5 Additional information

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

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

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.

7.2 Conditions for safe storage, including any incompatibilities

Suitable container:

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.

Recommended storage temperature:

Keep in a dry, cool place.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

acetone

Great Britain				
Long-term exposure value/ ppm	Long-term exposure value/ mg/m3	Short-term exposure value / ppm	Short-term exposure value / mg/m3	Source
500	1210	1500	3620	EH40/2005 Workplace exposure limits (2011)

Europe			
Long-term exposure value/ mg/m3	Long-term exposure value/ ppm	Issuing date	Source
1 210	500	2000/39	DIRECTIVE 2009/161/EU

DNEL	Target group	Exposure route	Exposure frequency	Source
1210 mg/m ³	Workers	inhale	Long term effects systemic	Company data
186 mg/kg	Workers	dermal	Long term effects systemic	Company data
200 mg/m ³	Consumers	inhale	Long term effects systemic	Company data
62 mg/kg	Consumers	dermal	Long term effects systemic	Company data
62 mg/kg	Consumers	Oral	Long term effects systemic	Company data
2420 mg/m ³	Workers	inhale	Short-term effects	Company data

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

8.2 Exposure controls

8.2.1. Appropriate engineering Controls:	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.														
8.2.2. Personal protection:															
Eye and face protection:	Tightly fitting safety goggles.														
Skin protection:	Wear suitable protective equipment. Long sleeved clothing														
Hands/feet 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. <table> <tr> <td>Unsuitable material</td><td>woven fabric, Leather gloves</td></tr> <tr> <td>Suitable material</td><td>butyl-rubber</td></tr> <tr> <td>Material thickness</td><td>0,5 mm</td></tr> <tr> <td>Break through time</td><td>>480 min</td></tr> <tr> <td>Suitable material</td><td>Polyethylene (LLDPE) (Barrier" Fa.Ansell)</td></tr> <tr> <td>Material thickness</td><td>0,062 mm</td></tr> <tr> <td>Break through time</td><td>>480 min</td></tr> </table>	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
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Material thickness	0,062 mm														
Break through time	>480 min														
Body protection:	Wear suitable protective equipment. Long sleeved clothing														

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).
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important health, safety and environmental information

Physical state:	Liquid	Density [g/cm ³] Measuring method	0,790-0,792 g/cm ³ ASTM D 4052
Form:	Liquid	Explosion limits [Vol-%]	
Colour:	colourless	Lower Explosive Limit (%):	2,5 %
Odour:	aromatic	Upper Explosive Limit (%):	13,0 %
Odour threshold:	Not available	Vapour pressure (kPa): Temperature [°C]	247 h/Pa 20 °C
pH (as supplied):	Not available	Vapour density (Air = 1):	not determined
Melting point/freezing point (°C):	-94,7 °C	Auto-ignition temperature (°C): Measuring method	540 °C ASTM 2155
Boiling point (°C): Measuring method	55,8 - 56,6 °C ASTM D 97		
Flash point (°C):	-18°C	Water solubility [g/l]	Completely miscible
Evaporation rate [kg/(s m ²)]:	not determined	Explosive properties	Not relevant

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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Oral toxicity [mg/kg]:

acetone			
Value	Value	Value	Value
5800 mg/kg	5800 mg/kg	5800 mg/kg	5800 mg/kg

Dermal toxicity [mg/kg]

Hazardous ingredients

ethanol			
Value	Test criterion	Test species	Source
>15800 mg/kg	LD50	rabbit	Company data

LC50 Inhalation 4h for vapours [mg/l]

Hazardous ingredients

ethyl acetate				
Value	Test criterion	Test species	Exposure duration [h]	Source
76 mg/l	LC50	rat	4 hours	Company data

Irritant effect on skin

Hazardous ingredients

acetone	
Value	Source
Repeated exposure may cause skin dryness or cracking.	Company data

Irritant effect on eyes

Hazardous ingredients

acetone		
Value	Test species	Source
Causes eye irritation.	rabbit	Company data

Sensitization

Hazardous ingredients

acetone	
Value	Source
No sensitization responses were observed.	Company data

Mutagenicity

Hazardous ingredients

acetone	
Value	Source
No known effect.	Company data

Carcinogenic effects

Hazardous ingredients

acetone	
Value	Source
No known effect.	Company data

Reproduction toxicity

Hazardous ingredients

acetone	
Value	Source
No known effect.	Company data

Specific target organ toxicity (single exposure) [mg/kg]

Hazardous ingredients

3-(Trimethoxysilyl)-1-propanamine	
Value	Source
no data available	Company data

Specific target organ toxicity (repeated exposure) [mg/kg]

Hazardous ingredients

3-(Trimethoxysilyl)-1-propanamine	
Value	Source
NOAEL (No observed adverse effect level) 900 mg/kg (rat); 90 day(s) Oral	Company data

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

Toxicity to fish [mg/l]:

Hazardous ingredients:

acetone				
Value	Test criterion	Test species	Exposure duration [h]	Source
6500mg/l	LC50	Oncorhynchus mykiss (rainbow trout)	96 h	Company data

Toxicity to daphnia [mg/l]

Hazardous ingredients

acetone				
Value	Test criterion	Test species	Exposure duration [h]	Source
12600	EC50	Daphnia magna (Water flea)	48 h	Company data

Toxicity to algae [mg/l]

Hazardous ingredients

acetone				
Value	Test criterion	Test species	Exposure duration [h]	Source
7500 mg/l	EC50	Selenastrum capricornutum (green algae)	96 h	Company data

NOEC (algae) [mg/l]

Hazardous ingredients

acetone		
Value	Test species	Source
> 101 mg/l	Desmodesmus subspicatus	Company data

12.2 Persistence and degradability

Biodegradability:

Hazardous ingredients:

acetone		
Value	Evaluation	Source
Readily biodegradable	Readily biodegradable	Company data

12.3 Bioaccumulation potential

Bioaccumulation:

Hazardous ingredients:

acetone	
Value	Source
Does not bioaccumulate.	Company data

12.5 Results of PBT and vPvB assessment

12.7 Other harmful effects

Further information on ecology

See also section 12.1

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal Considerations:	Disposal of this product and its packaging must comply with all applicable environmental protection and waste disposal legislation, including any requirements set by local authorities. Any unwanted or non-recyclable material should be disposed of through a licensed waste disposal contractor. Transportation of such waste may be subject to ADR (International Carriage of Dangerous Goods by Road) regulations and must be managed in accordance with those requirements.
Waste code:	Uncured product: 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances. Cured product inert residue: 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 Empty metal paint tins with only hardened, inert residue: 15 01 04 metallic packaging
Special precautions:	This material and its container must be disposed of in a safe way. Caution should be exercised when handling empty containers that have not been properly cleaned or rinsed, as they may retain hazardous residues. Spillage and wash water from cleaning tools must be prevented from entering soil, watercourses, drains, or sewer systems. Empty containers should be directed to authorised waste disposal or appropriate local recycling facilities.
Further information available via:	https://www.alumascroofing.com/downloads/disposal-guides/ 

14. TRANSPORT INFORMATION

Labels required:

	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
14.3 Transport hazard class(es)	3	3	3
14.4 Packaging group	II	II	II
Labels			
Risk No.	33		
Category	2		
Factor	3		
Classification code	F1		
Tunnel restriction code	D/E		
EmS		F-E; S-D	
Stowage category		E	
UN proper shipping name	UN 1090 ACETONE	UN 1090 ACETONE	UN 1090 ACETONE

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Not relevant.

15. REGULATORY INFORMATION

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

Additional regulations:

Classification in compliance with the Industrial Safety Regulation:
GISCODE

Additionally, observe any national regulations!
highly flammable.
M-VM04

16. OTHER INFORMATION

Full text Risk and Hazard codes:

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.

STOT RE: Specific target organ toxicity - repeated exposure.

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

Classification	Evaluation
Flam. Liq. 2; H225	Calculated
Eye Irrit. 2; H319	Calculated
STOT SE 3; H336	Calculated

SDS version summary:

Version	Date of Update	Section Updated
1.1	03/04/2023	Template Change
2.0	28/04/2026	Section 13 update

Other information:

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios.

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.

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