

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

1.1 Product identifier

Trade name/designation: Ethyl Acetate Cleaning Fluid.

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

Main use category: Cleaning agent, activator.
Used advised against: No information available.

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

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 according to Regulation (EU) No. 1272/2008:

Asp. Tox. 1; H304 : Skin Irrit. 2; H315 : Eye Irrit. 2; H319 : Skin Sens. 1; H317 : STOT SE 3; H336 : Aquatic Acute 1; H400 : Aquatic Chronic 1; H410 : Flam. Liq. 2; H225.

Classification according to EU Directives 67/548/EEC or 1999/45/EC:

F - Highly flammable.
Xn – Harmful.
N - Dangerous for the environment.
F; R11 Xn; R65.
Xi; R36/38 - R43.
N; R50/53.
R67.

2.2 Labelling according to Regulation (EU) 1272/2008

Hazard pictures:



Signal word: Danger.

Hazard statements:
H225: Highly flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary statements:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243: Take precautionary measures against static discharge.
P273: Avoid release to the environment.
P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/ shower
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

Vapours may form explosive mixture with air.

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

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substances

To clean contaminated membrane prior to welding.

3.2 Mixtures

Chemical Name	EC-No	CAS-No	w /w %	Classification (67/548/EEC)	Classification (EU Reg. 1272/2008)	REACH Registration Number
Butanone	201-159-0	78-93-3	40-60	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	No data available
1-Methoxypropan-2-O	203-539-1	107-98-2	25-50	R10 R67	STOT SE 3 (H336) Flam. Liq. 3 (H226)	No data available
Orange, Sweet, Ext.	232-433-8	8028-48-6	25-50	R10 Xi; R38 - R43 N; R50/53 Xn; R65	Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Asp. Tox. 1 (H304) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

For the full text of R-phrases and H-Statements see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms develop obtain medical attention.
Skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms develop obtain medical attention. Wash contaminated clothing before reuse.
Ingestion:	Immediate medical attention is required. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If a person vomits when lying on their back, place them in the recovery position. Wash out mouth with water and give 100 - 200 ml of water to drink.
Inhalation:	Remove patient from exposure, keep warm and at rest. If symptoms develop obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Main Symptoms:	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Irritating to eyes and skin. May cause sensitisation by skin contact. May cause drowsiness and dizziness.
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4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Water spray, dry chemical, carbon dioxide (CO₂), or foam.

Extinguishing media which shall not be used for safety reasons:

Do not use water jet.

5.2 Special hazards arising from the substance or mixture:

Vapours may form explosive mixtures with air. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Thermal decomposition can lead to release of irritating and toxic gases and vapours.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear. Cool containers / tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ensure adequate ventilation. Use only non-sparking tools. Take precautionary measures against static discharges. Avoid breathing vapours or mists. Avoid contact with the skin and the eyes. Wear protective gloves/clothing and eye/face protection.

6.2 Environmental precautions

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Sweep up carefully with non-sparking tools. Wash spill area with soapy water. Contaminated adsorbent must be removed in sealed, plastic lined drums and disposed of via an authorised waste disposal contractor.

6.4 Reference to other sections

See Sections 8 & 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from open flames, hot surfaces and sources of ignition. Vapour may create explosive atmosphere. Ensure adequate ventilation. Take precautionary measures against static discharges. Avoid breathing vapours or mists. Avoid contact with skin and eyes. Wear personal protective equipment. For personal protection see Section 8.

Do not eat, drink or smoke during work. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store separately from incompatible materials: Oxidising agents.

7.3 Specific end uses(s)

Cleaning agent: activator.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Chemical name	Butanone 78-93-3
European Union	TWA 200 ppm TWA 600 mg/m ³ STEL 300 ppm STEL 900 mg/m ³
The United Kingdom	STEL: 300 ppm STEL: 899 mg/m ³ TWA: 200 ppm TWA: 600 mg/m ³ Skin
France	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 900 mg/m ³
Spain	STEL: 300 ppm STEL: 900 mg/m ³ TWA: 200 ppm TWA: 600 mg/m ³
Germany	TWA: 200 ppm TWA: 600 mg/m ³ Ceiling / Peak: 200 ppm Ceiling / Peak: 600 mg/m ³ Skin
Italy	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 900 mg/m ³
Portugal	STEL: 300 ppm TWA: 200 ppm
The Netherlands	Skin STEL: 900 mg/m ³ TWA: 590 mg/m ³
Finland	STEL: 100 ppm STEL: 300 mg/m ³ Skin
Denmark	TWA: 50 ppm TWA: 145 mg/m ³ Skin
Austria	Skin STEL 200 ppm STEL 590 mg/m ³ TWA: 100 ppm TWA: 295 mg/m ³
Switzerland	Skin STEL: 200 ppm STEL: 590 mg/m ³ TWA: 200 ppm TWA: 590 mg/m ³
Poland	STEL: 900 mg/m ³ TWA: 450 mg/m ³ Skin
Norway	TWA: 75 ppm TWA: 220 mg/m ³ STEL: 112.5 ppm STEL: 275 mg/m ³
Ireland	TWA: 200 ppm TWA: 600 mg/m ³ STEL: 300 ppm STEL: 900 mg/m ³ Skin

ETHYL ACETATE CLEANING FLUID
SAFETY DATA SHEET

Reference No: SDS-SP006
Date of issue: 01/07/2021



Chemical name	1-methoxypropan-2-ol 107-98-2
European Union	Skin TWA 100 ppm TWA 375 mg/m3 STEL 150 ppm STEL 568 mg/m3
The United Kingdom	STEL: 150 ppm STEL: 560 mg/m3 TWA: 100 ppm TWA: 375 mg/m3 Skin
France	TWA: 50 ppm TWA: 188 mg/m3 STEL: 100 ppm STEL: 375 mg/m3
Spain	S* STEL: 150 ppm STEL: 568 mg/m3 TWA: 100 ppm TWA: 375 mg/m3
Germany	TWA: 100 ppm TWA: 370 mg/m3 Ceiling / Peak: 200 ppm Ceiling / Peak: 740 mg/m3
Italy	TWA: 100 ppm TWA: 375 mg/m3 STEL: 150 ppm STEL: 568 mg/m3 Skin
Portugal	STEL: 150 ppm TWA: 100 ppm
The Netherlands	Skin STEL: 563 mg/m3 TWA: 375 mg/m3
Finland	TWA: 100 ppm TWA: 370 mg/m3 STEL: 150 ppm STEL: 560 mg/m3 Skin
Denmark	TWA: 50 ppm TWA: 185 mg/m3 Skin
Austria	Skin STEL 50 ppm STEL 187 mg/m3 TWA: 50 ppm TWA: 187 mg/m3 Ceiling 50 ppm Ceiling 187 mg/m3
Switzerland	STEL: 200 ppm STEL: 720 mg/m3 TWA: 100 ppm TWA: 360 mg/m3
Poland	STEL: 360 mg/m3 TWA: 180 mg/m3
Norway	TWA: 50 ppm TWA: 180 mg/m3 Skin STEL: 75 ppm STEL: 225 mg/m3
Ireland	TWA: 100 ppm TWA: 375 mg/m3 STEL: 150 ppm STEL: 568 mg/m3

Our company policy is one of continuous research and development; we therefore reserve the right to amend content herein without prior notice.

Derived No Effect Level (DNEL): No information available.
Predicted No Effect Concentration (PNEC): No information available.

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded.

Personal protective equipment:

Eye protection: Tightly fitting safety goggles. (EN 166)
Hand protection: Protective gloves. (EN 374)
Skin and body protection: Apron or other light protective clothing, boots and plastic or rubber gloves.
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. Breathing apparatus with filter: Type A/P2.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls:

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical form: Liquid.
Odour: Lemon.
Colour: Colourless.
Odour threshold: No information available.

Property Values

pH:
Melting/freezing point: -86 °C
Freezing point:
Boiling point/boiling range: >79 °C
Flash point: -2°C
Evaporation rate:
Flammability (solid, gas):
Flammability limits in air:
 upper flammability limit: 12.6
 lower flammability limit: 1.5
Vapour pressure: 105 mbar
Vapour density:
Relative density: 0.84
Water solubility:
Solubility in other solvents:
Partition coefficient:
 n-octanol/water
Auto-ignition temperature:
Decomposition temperature:
Viscosity, kinematic:
Viscosity, dynamic:

Remarks - Methods

No information available.
Butanone.
No information available.

No information available.
Not applicable.
Butanone.

@ 20°C Butanone.
No information available.
@ 20°C.
(THF) partial.
No information available.

No information available.
No information available.
No information available.
No information available.
No information available.

Explosive properties: May form explosive mixtures with air.
Oxidizing properties: Not oxidizing.

9.2 Other information

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

Extremes of temperature and direct sunlight. Ignition sources.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

May give off toxic fumes in fire. Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Inhalation:	May cause drowsiness or dizziness.
Eye contact:	Irritating to eyes.
Skin contact:	Irritating to skin. May cause sensitization by skin contact. Prolonged skin contact may deface the skin and produce dermatitis.
Ingestion:	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Nausea and vomiting.

11.1 Information on toxicological effects

Acute toxicity:

Chemical name	LD50 oral	LD50 dermal	LC50 inhalation
Butanone	2737mg/kg (Rat)	6480 mg/kg (Rabbit)	
1-Methoxypropan-2-ol	5200mg/kg (Rat)	13000 mg/kg (Rabbit)	54.6 mg/L (Rat) 4 h >24 mg/L (Rat) 1 h

Skin corrosion/irritation:	Irritating to skin.
Serious eye damage/irritation:	Irritating to eyes.
Respiratory or skin sensitisation:	May cause sensitisation by skin contact.
Mutagenicity:	Based on available data, classification criteria are not met.
Carcinogenicity:	Based on available data, classification criteria are not met.
Reproductive toxicity:	Not Classified Based on available data, classification criteria are not met.
STOT - Single exposure:	May cause drowsiness or dizziness.
STOT - Repeated exposure:	Based on available data, classification criteria are not met.
Aspiration hazard:	Risk of serious damage to the lungs (by aspiration).
Other information:	No information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Butanone			EC50: 5091 mg/L 48 h (Daphnia magna) EC50: 4025 - 6440 mg/L 48 h Static (Daphnia magna) EC50: >520 mg/L 48 h (Daphnia magna)
1-Methoxypropan-2-Ol			EC50: 23300 mg/L 48 h (Daphnia magna)

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Chemical name	Bioconcentration factor (BCF)	Log Pow
Butanone		0.29
1-Methoxypropan-2-Ol	<2	-0.437

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste from residues/unused products: Do not empty into drains; dispose of this material and its container in a safe way. Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number	1993	1993	1993
14.2 UN proper shipping name	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	II	II	II
14.5 Environmental Hazards	Marine pollutant	Marine pollutant	Marine pollutant

14.6 Special precautions for user

May form explosive mixtures with air.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

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

This safety data sheet complies with the requirements of Regulations (EC) No. 1907/2006 and No. 453/2010.

15.2 Chemical safety assessment

Chemical safety assessment has not been carried out.

16. OTHER INFORMATION

Full text of R-phrases referred to under Sections 2 & 3:

R10:	Flammable.
R11:	Highly flammable.
R36:	Irritating to eyes.
R36/38:	Irritating to eyes and skin.
R38:	Irritating to skin.
R43:	May cause sensitization by skin contact.
R50/53:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65:	Harmful: may cause lung damage if swallowed.
R66:	Repeated exposure may cause skin dryness or cracking.
R67:	Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under Sections 2 & 3:

H225:	Highly flammable liquid and vapour.
H304:	May be fatal if swallowed and enters airways.
H315:	Causes skin irritation.
H317:	May cause an allergic skin reaction.
H319:	Causes serious eye irritation.
H336:	May cause drowsiness or dizziness.
H410:	Very toxic to aquatic life with long lasting effects.
H226:	Flammable liquid and vapour.

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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