

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

1.1 Product identifier

Trade name/designation: Alumasc PVC Contact Adhesive.

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

Relevant identified uses: Solvent based adhesive.

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 (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapor.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.

2.2 Label elements

Hazard pictures:



Signal word:

Danger.

Hazard statements:

H225 Highly flammable liquid and vapor.
H317 May cause an allergic skin reaction.
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.
P233 Keep container tightly closed
P261 Avoid breathing mist or vapours.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements response:

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire: Use alcohol resistant foam or normal protein foam to extinguish.

Precautionary statements disposal:

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

Hazardous ingredients which must be listed on the label:

butanone
acetone
Formaldehyde, oligomeric reaction products with phenol
maleic acid

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substances

See 'Composition on ingredients' in Section 3.2.

3.2 Mixtures

Chemical name	1. CAS No 2. EC No 3. Index No 4. REACH No	Classified according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567	%[weight]
butanone	78-93-3 201-159-0 606-002-00-3 01-2119457290-43-0000	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system)	>= 30 - < 50
acetone	67-64-1 200-662-2 606-001-00-8 01-2119471330-49-0000	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system)	>= 20 - < 30
Formaldehyde, oligomeric reaction products with phenol	9003-35-4 500-005-2 01-2120735197-51-0000	Skin Sens. 1; H317	>= 1 - < 10
2-Butenedioic acid (2Z)-, polymer with chloroethene and ethenyl acetate	9005-09-8	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory sys-tem)	>= 1 - < 10
4-tert-butylphenol	98-54-4 202-679-0 604-090-00-8 01-2119489419-21-0000	Skin Irrit. 2; H315 Eye Dam. 1; H318 Repr. 2; H361f Aquatic Chronic 1; H410 M-Factor (Chronic aquatic toxicity): 1	>= 0,1 - < 0,25
maleic acid	110-16-7 203-742-5 607-095-00-3 01-2119488705-25-0000	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT SE 3; H335 (Respiratory sys-tem) Aquatic Chronic 2; H411	>= 0,025 - < 0,1

4. FIRST AID MEASURES

4.1 Description of first aid measures

- General advice: If on clothes, remove clothes. Show this material safety data sheet to the doctor in attendance. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- If inhaled: Remove person to fresh air. If signs/symptoms continue, get medical attention. In case of unconsciousness bring patient into stable side position for transport.
- In case of skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Call a physician if irritation develops or persists.
- In case of eye contact: Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
- If swallowed: Do NOT induce vomiting.
If accidentally swallowed obtain immediate medical attention.
Rinse mouth with water.
If conscious, drink fresh water.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Risks: May cause an allergic skin reaction.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Repeated exposure may cause skin dryness or cracking.

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

- Treatment: No further relevant information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water mist
Foam
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media: Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire fighting: May release toxic, irritating and/or corrosive gases.
In case of fire, the following substance(s) may occur:
Carbon monoxide

5.3 Advice for firefighters

- Special protective equipment for fire-fighters:
Wear self-contained breathing apparatus for firefighting if necessary.
- Further information:
In the event of fire, wear self-contained breathing apparatus.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions:

- Remove all sources of ignition.
- Use personal protective equipment.
- Use breathing protection against the effects of fumes/dust/aerosol.
- Evacuate personnel to safe areas.
- Ensure adequate ventilation.

6.2 Environmental Precautions

Environmental precautions:

- Prevent the material from reaching sewage system, holes and cellars.

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).
- Non-sparking tools should be used.
- Ensure adequate ventilation.
- Send for recovery or disposal in suitable containers.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8., For disposal considerations see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Local/Total ventilation:

- Use only with adequate ventilation.

Advice on safe handling:

- Avoid formation of dust and aerosols.
- Handle with care.
- Keep eye wash bottle available on working place.
- Avoid release to the environment.
- Take note of emission threshold.
- Use solvent-proof equipment.
- Ensure that suitable extractors are available on processing machines.
- Keep out of reach of children.
- Take precautionary measures against static discharges.
- Use only with adequate ventilation.

Advice on protection against fire and explosion:

- Keep product and empty container away from heat and sources of ignition. Do not smoke. Take measures to prevent the build-up of electrostatic charge. May form explosive mixtures in air. Highly volatile, flammable constituents are released during processing. In the event of fire and/or explosion do not breathe fumes. Keep breathing equipment ready.
- Have fire extinguishing equipment ready in case of nearby fire.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers:

- Use explosion-proof equipment. Keep tightly closed in a dry, cool and well-ventilated place. Do not freeze.

Further information on storage conditions:

- Store in a cool place. Heat will increase pressure and may lead to the container exploding.

Advice on common storage:

- Do not store together with oxidizing and self-igniting products.

7.3 Specific end uses(s)

Specific use(s): No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
butanone	78-93-3	STEL	300 ppm	GB EH40
			899 mg/m3	
	Further information: Can be absorbed through the skin. The assigned sub-stances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		TWA	200 ppm 600 mg/m3	GB EH40
	Further information: Can be absorbed through the skin. The assigned sub-stances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	300 ppm 900 mg/m3	2000/39/EC
	Further information: Indicative			
		TWA	200 ppm 600 mg/m3	2000/39/EC
	Further information: Indicative			
acetone	67-64-1	STEL	1.500 ppm 3.620 mg/m3	GB EH40
		TWA	500 ppm 1.210 mg/m3	GB EH40
		TWA	500 ppm 1.210 mg/m3	2000/39/EC
	Further information: Indicative			

Derived No Effect Level (DNEL):

Substance name	End Use	Routes of exposure	Potential health effects	Value
butanone	Workers	Inhalation	Systemic, long-term	600 mg/m3
	Workers	Eye contact	Local effects	
	Workers	Dermal	Systemic, long-term	1161 mg/kg
acetone	Workers	Inhalation	Local, short-term	2420 mg/m3
	Workers	Inhalation	Systemic, long-term	1210 mg/m3
	Workers	Eye contact	Local effects	
	Workers	Dermal	Systemic, long-term	186 mg/kg
4-tert-butylphenol	General population	Inhalation	Systemic, long-term	0,09 mg/m3
	Workers	Inhalation	Systemic, long-term	0,5 mg/m3
	General population	Eye contact	Local effects	
	Workers	Eye contact	Local effects	
	General population	Oral	Systemic, long-term	0,026 mg/kg
	General population	Dermal	Systemic, long-term	0,026 mg/kg
	Workers	Dermal	Systemic, long-term	0,071 mg/kg
maleic acid	Workers	Inhalation	Systemic, long-term	3 mg/m3
	Workers	Inhalation	Systemic, short-term	3 mg/m3
	Workers	Eye contact	Local effects	
	Workers	Inhalation	Local, long-term	3 mg/m3
	Workers	Inhalation	Local, short-term	3 mg/m3

Predicted No Effect Concentration (PNEC):

Substance name	Environmental Compartment	Value
butanone	Predator	1000 mg/kg
	Soil	22,5 mg/kg
	Sewage treatment plant	709 mg/l
	Fresh water	55,8 mg/l
	Sea water	55,8 mg/l
	Fresh water sediment	284,74 mg/kg
acetone	Sea sediment	284,7 mg/kg
	Soil	29,5 mg/kg
	Sewage treatment plant	100 mg/l
	Fresh water	10,6 mg/l
	Fresh water sediment	30,4 mg/kg
	Sea water	1,06 mg/l
4-tert-butylphenol	Sea sediment	3,04 mg/kg
	Predator	46,67 mg/kg
	Soil	0,25 mg/kg
	Sea water	0,001 mg/l
	Sea sediment	0,027 mg/kg
	Fresh water	0,01 mg/l
maleic acid	Sewage treatment plant	1,5 mg/l
	Fresh water sediment	0,27 mg/kg
	Fresh water	0,1 mg/l
	Soil	0,042 mg/kg
	Sea water	0,01 mg/l
	Sea sediment	0,033 mg/kg
	Sewage treatment plant	44,6 mg/l
	Fresh water sediment	0,334 mg/kg

8.2 Exposure controls

8.2.1. Appropriate engineering Controls:	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk.
8.2.2. Personal protection:	
Eye and face protection:	Tightly fitting safety goggles or equipment with better protection.
Skin & Body protection:	Protective clothing
Hands/feet protection:	Solvent-resistant gloves. Direct contact with the product must be avoided by organizational measures. The glove material has to be impermeable and resistant to the product/the substance/the preparation. The exact break through time can be obtained from the protective glove producer and this has to be observed. The gloves need to be disposed after the penetration time and replaced by new ones. Apply skin protectant before working with gloves to avoid skin swellings and use a skin cleansing and skincare product after the work. For the permanent contact gloves made of the following materials are suitable:

	If longer exposure to the chemical preparation is necessary, a sturdy overglove against mechanical strain is recommended in combination with the Alphatec®/Barrier 02-100 PE-underglove from Ansell or other suppliers (penetration time: 480 min). For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: Butyl rubber (minimum thickness: 0.7 mm; penetration time: 15 min) As protection from splashes gloves made of the following materials are suitable: Nitril (minimum thickness 0.12 mm), Disposable gloves with long cuffs After contact with the chemical preparation, take the disposable nitrile glove off immediately and put on a new disposable nitrile glove.
Respiratory protection:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. In case of brief exposure or low pollution (exceeding of TLV) use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air. Ensure that suitable extractors are available on processing machines. Filter type : Organic vapour type or equipment with better protection (A)
Other protection:	Keep away from food, drink and animal feeding stuffs. Instantly remove any soiled and impregnated garments. Wash hands before breaks and immediately after handling the product. Avoid contact with the eyes and skin. Store protective clothing separately. Provide adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important health, safety and environmental information

Appearance:	Light Amber	Relative density (Water = 1):	0,83 g/cm³
Physical state:	Liquid	Partition coefficient n-octanol / water:	No data available
Odour:	Characteristic	Auto-ignition temperature (°C):	is not determined
Odour threshold:	is not determined	Decomposition temperature:	Not applicable
pH (as supplied):	substance/mixture is non-polar/aprotic	Viscosity (cSt):	> 20,5 mm²/s (40 °C)
Melting point / freezing point (°C):	is not determined	Molecular weight (g/mol):	Not available
Initial boiling point and boiling range (°C):	> 55 °C	Taste:	Not available
Flash point (°C):	-18	Explosive properties:	Product is not explosive. However, formation of explosive vapour/air mixtures is possible.
Evaporation rate:	is not determined	Oxidising properties:	Not available
Flammability:	Flammable.	Surface Tension (dyn/cm or mN/m):	Not available
Upper Explosive Limit (%):	13 %(V)	Volatile Component (%vol):	Not available
Lower Explosive Limit (%):	1,8 %(V)	Gas group:	Not available
Vapour pressure (kPa):	is not determined	pH as a solution (not available%):	Not available
Solubility in water:	not miscible or difficult to mix	VOC g/L:	Not available
Vapour density (Air = 1):	Not available	Nanoform	Not available
Nanoform Solubility:	Not available	Particle Characteristics:	
Particle Size:	Not available		

9.2 Other information

Not available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

No decomposition if used according to the specifications.

10.3 Possibility of hazardous reactions

Hazardous reactions : Develops readily flammable vapours/fumes.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : No further relevant information available.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Not classified due to lack of data.

Components:

4-tert-butylphenol:

Acute oral toxicity : LD50 Oral (Rat): 2.990 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 2.318 mg/kg

maleic acid:

Acute oral toxicity : LD50 (Rat): 708 mg/kg

Acute dermal toxicity : Acute toxicity estimate: 1.560 mg/kg
Method : ATE value derived from LD50/LC50 value

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified due to lack of data.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Components:**4-tert-butylphenol:**

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 4,71 - 5,62 mg/l Exposure time: 96 Hours Method: flow-through test
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 3,4 - 4,5 mg/l Exposure time: 48 Hours Test Type: static test
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): 11,2 mg/l Exposure time: 72 Hours Test Type: flow-through test
M-Factor (Chronic aquatic toxicity)	:	1

maleic acid:

Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 5 mg/l Exposure time: 96 Hours Method: static test
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12.2 Persistence and degradability

No data available

12.3 Bioaccumulation potential

Components:**butanone:**

Partition coefficient: n-octanol/water	:	log Pow: 0,29
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acetone:

Partition coefficient: n-octanol/water	:	log Pow: -0,24
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12.4 Mobility in soil

Product:

Mobility : Medium: Soil
Remarks: Do not allow product to reach ground water, water bodies or sewage system.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine Disruption Properties

Product:

Endocrine disrupting potential : This substance/mixture contains components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

Components:

4-tert-butylphenol:

Endocrine disrupting potential : The substance is considered to have endocrine disrupting properties according to REACH Article 57(f) for the environment.

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 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances. Cured Product 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:



Marine Pollutant: No.

Hazchem: -3YE.

Land transport (ADR):

14.1 UN number	1133
14.2 UN proper shipping name	ADHESIVES
14.3 Transport hazard class(es)	Class 3
14.4 Packing group	II
14.5 Environmental hazard	No
14.6 Special precautions for user	Classification Code : F1 Hazard Identification Number : 33 Labels : 3 Tunnel restriction code : (D/E) Remarks : This product is eligible to ship using the Limited Quantity exception when packed in inner packaging with a maximum content of 5 liters and outer packaging up to 30 kg

Rail transport (RID):

14.1 UN number	1133
14.2 UN proper shipping name	ADHESIVES
14.3 Transport hazard class(es)	Class 3
14.4 Packing group	II
14.5 Environmental hazard	No
14.6 Special precautions for user	Classification Code : F1 Hazard Identification Number : 33 Labels : 3 Remarks : This product is eligible to ship using the Limited Quantity exception when packed in inner packaging with a maximum content of 5 liters and outer packaging up to 30 kg

Air transport (IATA):

14.1 UN number	1133
14.2 UN proper shipping name	Adhesives
14.3 Transport hazard class(es)	ICAO/IATA Class 3 ICAO / IATA Subrisk Not applicable
14.4 Packing group	II
14.5 Environmental hazard	No
14.6 Special precautions for user	IATA (Cargo) Packing instruction (cargo aircraft) : 364 Packing instruction (LQ) : Y341 Packing group : II Labels : Flammable Liquids IATA (Passenger) Packing instruction (passenger aircraft) : 353 Packing instruction (LQ) : Y341 Packing group : II Labels : Flammable Liquids

Sea transport (IMDG):

14.1 UN number	1133
14.2 UN proper shipping name	ADHESIVES
14.3 Transport hazard class(es)	IMDG Class 3
14.4 Packing group	II
14.5 Environmental hazard	No
14.6 Special precautions for user	Labels : 3 EmS Code : F-E, S-D Remarks : This product is eligible to ship using the Limited Quantity exception when packed in inner packaging with a maximum content of 5 liters and outer packaging up to 30 kg

Inland waterways transport (ADN):

14.1 UN number	1133
14.2 UN proper shipping name	ADHESIVES
14.3 Transport hazard class(es)	3
14.4 Packing Group	II
14.5 Environmental hazard	No
14.6 Special precautions for user	Classification Code : F1 Hazard Identification Number : 33 Labels : 3 Remarks : This product is eligible to ship using the Limited Quantity exception when packed in inner packaging with a maximum content of 5 liters and outer packaging up to 30 kg

The transport classification(s) provided herein are for informational purposes only and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

Not applicable for product as supplied.

15. REGULATORY INFORMATION

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
Number on list 3

REACH - Candidate List of Substances of Very High Concern for Authorization (SVHC, Article 59). : xylene
Compliant

Regulation (EU) No 2024/590 on substances that deplete the ozone layer : Compliant

Regulation (EU) 2019/1021 on persistent organic pollutants (recast)- : Compliant
RoHS: 2011/65/EU, Restriction of Hazardous Substances : Compliant

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors : Neither banned nor restricted

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors : acetone

UK REACH List of substances subject to authorization (Annex XIV) : Compliant

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

FLAMMABLE LIQUIDS

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 74,3 %

The ingredients of this product are reported in the following inventories:

US TSCA	:	All substances listed as active on the TSCA inventory
AU AIIC	:	On the inventory, or in compliance with the inventory
CA DSL	:	All components of this product are on the Canadian DSL
EU REACH	:	On the inventory, or in compliance with the inventory

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture.

16. OTHER INFORMATION

Full text of H-Statements

H225	:	Highly flammable liquid and vapor.
H302	:	Harmful if swallowed.
H312	:	Harmful in contact with skin.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H361f	:	Suspected of damaging fertility.
H410	:	Very toxic to aquatic life with long lasting effects.
H411	:	Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
Repr.	:	Reproductive toxicity
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitization
STOT SE	:	Specific target organ toxicity - single exposure
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits
2000/39/EC / TWA	:	Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL	:	Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging

Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Classification of the mixture:

Flam. Liq. 2 H225

Eye Irrit. 2 H319

Skin Sens. 1 H317

STOT SE 3 H336

Classification procedure:

Based on product data or assessment

Calculation method

Calculation method

Calculation method

SDS version summary:

Version	Date of Update	Section Updated
1.1	24/01/2022	Acute Health (eye), Acute Health (inhaled), Acute Health (skin), Acute Health (swallowed), Chronic Health, Classification, Exposure Standard, First Aid (skin), Ingredients, Personal Protection (Respirator), Physical Properties
2.0	27/05/2025	Section 13 update
3.0	03/03/2026	Document section updates

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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