

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

1.1 Product identifier

Trade name/designation: Eurorooft Detail Adhesive.

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

Identified uses: Adhesive.
Uses advised against: No specific uses advised against are identified.

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:

Physical hazards: Not classified.
Health hazards: Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Carc. 2 - H351; STOT SE 3 - H336.
Environmental hazards: Not classified.
Human health: Product has a defatting effect on skin.
Physicochemical: Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers.

2.2 Labelling according to Regulation (EU) 1272/2008

Hazard pictures:



Signal word: Warning.

Hazard statements:
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H351: Suspected of causing cancer.
H336: May cause drowsiness or dizziness.

Precautionary statements:
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read & understood.
P261: Avoid breathing vapour / spray.
P264: Wash contaminated skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF EXPOSED OR CONCERNED: Get medical advice / attention.
P312: Call a doctor if you feel unwell.
P321: Specific treatment (see medical advice on this label).
P332+P313: If skin irritation occurs: Get medical advice / attention.
P337+P313: If eye irritation persists: Get medical advice / attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P403+P233: Store in a well-ventilated place and keep container tightly closed.
P405: Store locked up.
P501: Dispose of contents / container in accordance with national regulations.

Contains: Dichloromethane, Hydrocarbons, C6-C7,N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substance

Synthetic rubber contact adhesive.

3.2 Mixture

Hazardous ingredients:

Ingredient		Classification (EC) 1272/2008	Concentration
Dichloromethane	CAS No: 75-09-2 EC No: 200-838-9 REACH No. 01-2119480404-41-0007	Acute Tox. 4 – H302 Skin Irrit. 2 – H315 Eye Irrit. 2 – H319 Carc. 2 – H351 STOT SE 3 – H336	60-100% by weight
Hydrocarbons, C6-C7, N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane	CAS No: - EC No: 921-024-6 REACH No. 01-2119475514-35-0001	Flam Liq. 2 – H225 Skin Irrit. 2 – H315 STOT SE 3 – H336 Asp Tox. 1 – H304 Aquatic Chronic 2 – H411	1-5% by weight
Hexane-Norm	CAS No: 110-54-3 EC No: 203-777-6 REACH No: 01-2119480412-44-0009	Flam Liq 2 – H225 Skin Irrit. 2 – H315 Repr. 2 – H361f STOT SE 3 – H336 STOT RE 2 – H373 Asp. Tox. 1 – H304 Aquatic Chronic 2 – H411	<1% by weight

The full text for all hazard statements is displayed in Section 16.

4. FIRST-AID MEASURES

4.1 Description of first aid measures

General information: Remove affected person from source of contamination.
Inhalation: Move affected person to fresh air at once.
Ingestion: DO NOT induce vomiting. Get medical attention immediately.
Skin contact: Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact: Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation: Vapours may cause drowsiness and dizziness. Irritation of nose, throat and airway.

Ingestion: May cause chemical burns in mouth and throat.

Skin contact: Prolonged skin contact may cause redness and irritation.

Eye contact: Severe irritation, burning and tearing.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for doctor:

No specific recommendations. If in doubt, get medical attention promptly.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media:

Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Specific hazards:

The product is non-combustible. Toxic gases or vapours. No unusual fire or explosion hazards noted.

Hazardous combustion products:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

5.3 Advice for fire-fighters

Protective actions during fire-fighting:

Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.

Special protective equipment for fire-fighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2 Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Usage precautions:

Eliminate all sources of ignition. Vapours may accumulate on the floor and in low-lying areas. Static electricity and formation of sparks must be prevented. Avoid inhalation of vapours and spray/mists.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions:

Keep away from heat, sparks and open flame. Store in closed original container at temperatures between 5°C and 25°C.

Storage class:

Chemical storage.

7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits:

Dichloromethane:

Ingredient comments:

Long-term exposure limit (8-hour TWA):

Short-term exposure limit (15-minute):

WEL = Workplace Exposure Limits.

WEL 100 ppm 350 mg/m³.

WEL 300 ppm 1060 mg/m³.

Hexane-Norm:

Ingredient comments:

Long-term exposure limit (8-hour TWA):

Sk:

WEL = Workplace Exposure Limits.

WEL 20 ppm 72 mg/m³.

Can be absorbed through the skin.

Dichloromethane (CAS: 75-09-2):

Ingredient comments:

DNEL:

PNEC:

WEL = Workplace Exposure Limits.

Consumer - Dermal; Short term systemic effects: 353 mg/m³.

Workers - Dermal; Short term systemic effects: 706 mg/m³.

Fresh water; 0.54 mg/l.

- Sediment (Fresh water); 4.47 mg/kg.

- Intermittent release; 0.27 mg/l.

- Sediment (Marine water); 1.61 mg/kg.

- Marine water; 0.194 mg/l.

- STP; 26 mg/l.

- Soil; 0.583 mg/kg.

Hydrocarbons, C6-C7,N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane:

Ingredient comments:

DNEL:

WEL = Workplace Exposure Limits.

Consumer - Oral; Long term systemic effects: 699 mg/kg bw/day.

Workers - Oral; Long term systemic effects: 2035 mg/kg bw/day.

Consumer - Dermal; Long term systemic effects: 699 mg/kg bw/day.

Workers - Dermal; Long term systemic effects: 773 mg/kg bw/day.

Consumer - Inhalation; Long term systemic effects: 608 mg/m³.

8.2 Exposure controls

Protective equipment:



Appropriate engineering controls:

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Eye/face protection:

Chemical splash goggles or face shield should be worn.

Hand protection:

It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Viton rubber (fluoro rubber). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Other skin & body protection:

Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

Hygiene matters:

Use engineering controls to reduce air contamination to permissible exposure level. Wash hands after handling.

Respiratory protection:

If ventilation is inadequate, suitable respiratory protection must be worn. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Wear a respirator fitted with the following cartridge: Particulate filter, type P3. ABEK2-P3.

Environmental exposure controls:

Keep container tightly sealed when not in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid.
Colour:	Green.
Odour:	Characteristic.
Odour threshold:	Not available.
pH: Not available	
Melting point:	Not available.
Initial boiling point & range:	39-40°C @.
Flash point:	Technically not feasible.
Evaporation rate:	Not available.
Evaporation factor:	Not available.
Flammability (solid, gas):	Not available.
Other flammability:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	~ 1.19 @ 20°C.
Bulk density:	Not available.
Solubility(ies):	Insoluble in water.
Partition coefficient:	Not available.
Decomposition temperature:	Not available.
Viscosity:	160 cP @ 20°C.
Explosive properties:	Not available.

Explosive under the influence of a flame: Not considered to be explosive.
Oxidising properties: Not available.
Comments: Information given is applicable to the product as supplied.

9.2 Other information

Other information: No information required.
Refractive index: Not available.
Particle size: Not available.
Molecular weight: Not available.
Volatility: Not available.
Saturation concentration: Not available.
Critical temperature: Not available.
Volatile organic compound: This product contains a maximum VOC content of 738 g/l.

10. STABILITY AND REACTIVITY

10.1 Reactivity

There are no known reactivity hazards associated with this product.

10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3 Possibility of hazardous reactions

Not applicable.

10.4 Conditions to avoid

Avoid freezing.

10.5 Incompatible materials

Flammable/combustible materials. Strong acids. Strong alkalis.

10.6 Hazardous decomposition products

Does not decompose when used and stored as recommended.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity – oral:

ATE oral (mg/kg): 2,857.14.

Toxicological information on ingredients:

Dichloromethane:

Toxicological effects: The toxicity of this substance has been assessed during REACH registration.

Acute toxicity oral: 2,000.0.

(LD₅₀ mg/kg)

Species: Rat.

ATE oral (mg/kg): 2,000.0.

Acute toxicity dermal: 2,000.0.

(LD₅₀ mg/kg)

Species: Rat.

EUROROOF DETAIL ADHESIVE
SAFETY DATA SHEET

Reference No: SDS-AP013
Date of issue: 01/07/2021



Acute toxicity inhalation: (LD ₅₀ vapours mg/l)	86.0.
Species:	Rat.
ATE inhalation (vapours mg/l):	86.0.
Skin corrosion/irritation:	Irritating to skin. REACH dossier information.
Serious eye damage/irritation:	Causes eye irritation.
Respiratory sensitisation:	Not sensitising.
Germ cell mutagenicity: Genotoxicity – in vitro:	Positive.
Genotoxicity – in vivo:	Negative.
IARC carcinogenicity:	IARC Group 2B possibly carcinogenic to humans.
Reproductive toxicity: Fertility:	No evidence of reproductive toxicity in animal studies.
Development:	No evidence of reproductive toxicity in animal studies.

Hydrocarbons, C6-C7,N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane:

Toxicological effects:	No information available.
Acute toxicity oral: (LD ₅₀ mg/kg)	5,840.0.
Species:	Rat.
Notes (oral LD ₅₀):	Not known.
ATE oral (mg/kg):	5,840.0.
Acute toxicity dermal: (LD ₅₀ mg/kg)	2,920.0.
Species:	Rat.
Notes (dermal LD ₅₀):	Data lacking.
ATE dermal (mg/kg):	2,920.0.
Acute toxicity inhalation: (LD ₅₀ vapours mg/l)	25.2.
Species:	Rat.
ATE inhalation (vapours mg/l):	25.2.
Skin corrosion/irritation:	Data lacking.
Serious eye damage/irritation:	Data lacking.
Aspiration hazard:	Kinematic viscosity > 20.5 mm ² /s.
Inhalation:	May cause respiratory system irritation.
Ingestion:	May cause stomach pain or vomiting.
Skin contact:	Irritating to skin.
Eye contact:	May cause serious eye irritation.
Acute and chronic health hazards:	Vapour from this product may be hazardous by inhalation.
Route of exposure:	Inhalation/skin absorption/ingestion. Skin and/or eye contact.
Target organs:	No specific target organs known.

Medical symptoms: Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following:
Headache, fatigue, nausea, vomiting.

Medical considerations: No information available.

Hexane-Norm:

Acute toxicity oral: 25,000.0.
(LD₅₀ mg/kg)
Species: Rat.
ATE oral (mg/kg): 25,000.0.

Acute toxicity inhalation: 48,000.0.
(LD₅₀ gases ppmV)
Species: Rat.
ATE inhalation (gases ppm): 48,000.0.

12. ECOLOGICAL INFORMATION

Ecological information on ingredients:

Hydrocarbons, C6-C7,N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane:

Ecotoxicity: Dangerous for the environment.

12.1 Toxicity

Dichloromethane:

Acute aquatic toxicity:

Fish: LC₅₀, 96 hours: 193 mg/l, Pimephales promelas (Fat-head Minnow).
LC₅₀, 48 hours: 97 mg/l, Fundulus heteroclitus.

Aquatic invertebrates: EC₅₀, 48 hours: 27 mg/l, Daphnia magna.

Aquatic plants: LC₅₀, 48 hours: 109 mg/l, Palaemonetes pugio.

Aquatic plants: NOEC, 192 hours: 550 mg/l, Microcystis aeruginosa - Algae, blue, cyanobacteria.

Microorganisms: EC₅₀, 0.67 hours: 2590 mg/l, Bacteria.

Chronic aquatic toxicity:

Fish/early life stage: NOEC, 28 days: 83 mg/l, Pimephales promelas (Fat-head Minnow).

Hydrocarbons, C6-C7,N-Alkanes, Isoalkanes, Cyclics, <5% N-Hexane:

Acute aquatic toxicity:

Fish: LC₀, hours: >1-<10 mg/l, Fish

Aquatic invertebrates: EC₅₀, 48 hours: 3 mg/l, Daphnia magna.

Aquatic plants: LC₀, hours: >1-<10 mg/l, Algae.

Hexane-Norm:

Acute aquatic toxicity:

Fish: LC₅₀, EC₅₀, IC₅₀, : 10 mg/l, Fish.

Aquatic invertebrates: LC₅₀, EC₅₀, IC₅₀, : 10 mg/l, Daphnia magna.

Aquatic plants: LC₅₀, EC₅₀, IC₅₀, : 10 mg/l, Algae.

12.2 Bioaccumulative potential

Partition coefficient: Not available.

Ecological information on ingredients:

Dichloromethane:

Bioaccumulative potential: The product is not bio-accumulating.

Partition coefficient: Not available.

12.3 Mobility in soil

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

12.4 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.5 Other adverse effects

Not applicable.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

General information: Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses.

14. TRANSPORT INFORMATION

14.1 UN Number

UN No. (ADR/RID): 2810.

14.2 Transport hazard class(es)

ADR/RID class: 6.1.

Transport label:



14.3 Packaging group

IMDG packing group: II.

ICAO packing group: II.

14.4 Environmental hazards

None.

14.5 Special precautions for user

Tunnel restriction code: (D/E).

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

15.

15. REGULATORY INFORMATION

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

Additional regulations:	The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). Control of Pollution Act 1974. Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance:	Approved Classification and Labelling Guide (Sixth edition) L131.
Authorisation (Annex XIV Regulation 1901/2006):	No specific authorisations are known for this product.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

Hazard statements in full:

H225:	Highly flammable liquid and vapour.
H302:	Harmful if swallowed.
H304:	May be fatal if swallowed and enters airways.
H315:	Causes skin irritation.
H319:	Causes serious eye irritation.
H336:	May cause drowsiness or dizziness.
H351:	Suspected of causing cancer.
H361f:	Suspected of damaging fertility.
H373:	May cause damage to organs through prolonged or repeated exposure.
H411:	Toxic to aquatic life with long lasting effects.

Store between:

5°C – 25°C.

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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