

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

Relevant identified uses: 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

Considered a hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments. Classified as Dangerous Goods for transport purposes.

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

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Carc. 2 - H351 STOT SE 3 - H336.

2.2 Label elements

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.

Supplementary statements:

EUH204 Contains isocyanates. May produce an allergic reaction.

Precautionary statements prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and 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.

Precautionary statements response:

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 POISON CENTRE/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. Keep container tightly closed.
P405 Store locked up.

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

2.3 Other hazards

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

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substances

See 'Composition on ingredients' in Section 3.2.

3.2 Mixtures

1. CAS No 2. EC No 3. Index No 4. REACH No	% [weight]	Name	Classified according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567	Nanoform Particle Characteristics
1. 75-09-2 2. 200-838-9	60-100%	Dichloromethane	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Carc. 2 - H351 STOT SE 3 - H336	Not available
1. - 2. 921-024-6	1-5%	Hydrocarbons, C6-C7,N-Alkanes, Isoalkanes, Cyclics, <5% Nhexane	Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	Not available
1. 110-54-3 2. 203-777-6	<1%	HEXANE-Norm	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	Not available
Legend:	The full text for all hazard statements is displayed in Section 16.			

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: If product comes in contact with eyes:
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.

Skin contact: If skin contact occurs:
Remove contaminated clothing immediately and wash skin with soap and water.

Inhalation: Move affected person to fresh air at once.

Ingestion: DO NOT induce vomiting. Get medical attention immediately.

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 the 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:

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result.

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 firefighting:

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

Special protective equipment for firefighters:

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 material 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.
Clean up all spills immediately.
Avoid breathing vapours and contact with skin and eyes.

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

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 uses(s)

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION


8.1 Control parameters

Ingredient	DNELs Exposure Pattern Worker	PNECs Compartment
Dichloromethane (CAS: 75-09-2):	Consumer - Dermal; Short term systemic effects: 353 mg/m ³ Workers - Dermal; Short term systemic effects: 706 mg/m ³	- Fresh water; 0.54 mg/l - Sediment (Freshwater); 4.47 mg/kg - Intermittent release; 0.27 mg/l - Sediment (Marinewater); 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:	Consumer - Oral; Long term systemic effects: 699 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/m ³	Not available

Occupational Exposure Limits (OEL):

Ingredient	Long-term exposure limit (8-hour TWA):	Short-term exposure limit (15-minute):
Dichloromethane	WEL 100 ppm 353 mg/m ³	WEL 200 ppm 706 mg/m ³
HEXANE-Norm	WEL 20 ppm 72 mg/m ³	Not available

8.2 Exposure controls

8.2.1. 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.
8.2.2. Personal protection:	
Eye and face protection:	The following protection should be worn: Chemical splash goggles or face shield.
Skin protection:	See Hand Protection below.
Hands/feet 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 and body protection:	Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.
Hygiene measures:	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 Important health, safety and environmental information

Appearance:	Coloured liquid.	Nanoform Solubility:	Not available
Colour:	Green	Particle Size:	Not available
Odour:	Characteristic	Relative density (Water = 1):	~ 1.19 @ 20°C
Odour threshold:	Not available	Partition coefficient n-octanol/water:	Not applicable
pH (as supplied):	Not available	Auto-ignition temperature (°C):	Not applicable
Melting point/freezing point (°C):	Not applicable	Decomposition temperature:	Not applicable
Initial boiling point and boiling range (°C):	39-40°C @ ~ -26°C / -15°F	Viscosity (cSt):	160 cP @ 20°C
Flash point (°C):	Method: Closed cup.	Molecular weight (g/mol):	Not applicable
Evaporation rate:	Not applicable	Taste:	Not applicable
Flammability:	Not available	Explosive properties:	Not applicable
Upper Explosive Limit (%):	7.2% v/v	Oxidising properties:	Not applicable
Lower Explosive Limit (%):	1.0% v/v	Explosive under the influence of a flame:	Not considered to be explosive.
Vapour pressure (kPa):	Not available	Comments:	Information given is applicable to the product as supplied
Vapour density (Air = 1):	Not available	Volatility:	Not applicable
Refractive index:	Not available	Saturation concentration:	Not available
Particle size:	Not available	Critical temperature:	Not available
Molecular weight:	Not available		
Volatile organic compound:	This product contains a maximum VOC content of 738 g/l		

9.2 Other information

No information required.

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. Not relevant.

10.4 Conditions to avoid

Avoid freezing.

10.5 Incompatible materials

Materials to avoid: Flammable/combustible materials. Strong acids. Strong alkalis.

10.6 Hazardous decomposition products

Hazardous decomposition products: Does not decompose when used and stored as recommended.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Dichloromethane:

Acute toxicity - inhalation	
Acute toxicity inhalation (LC ₅₀ vapours mg/l)	86.0
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.
Carcinogenicity	
IARC carcinogenicity	IARC Group 2A Probably carcinogenic to humans.
Reproductive toxicity	
Reproductive toxicity - fertility	No evidence of reproductive toxicity in animal studies.
Reproductive toxicity - 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	
Acute toxicity oral (LD ₅₀ mg/kg)	5,840.0
Species	Rat
Notes (oral LD ₅₀)	Not known. Data lacking.
ATE oral (mg/kg)	5,840.0
Acute toxicity - dermal	
Acute toxicity oral (LD ₅₀ mg/kg) Species : Rat	2,920.0
Notes (oral LD ₅₀)	Data lacking
ATE oral (mg/kg)	2,920.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC ₅₀ vapours mg/l)	25.5
Species	Rat

ATE inhalation (vapours mg/l)	25.2
Skin corrosion/irritation	
Animal data	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 severe 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	
Acute toxicity oral (LD ₅₀ mg/kg)	25,000.0
Species	Rat
ATE oral (mg/kg)	25,000.0
Acute toxicity - inhalation	
Acute toxicity inhalation (LC ₅₀ gases ppmV)	48,000.0
Species	Rat
ATE inhalation (gases ppm)	48,000.0

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecological information on ingredients:

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

Ecotoxicity:

Dangerous for the environment.

Dichloromethane:

Acute aquatic toxicity

Acute toxicity – fish

LC₅₀, 96 hours: 193 mg/l, Pimephales promelas (Fat-head Minnow)

LC₅₀, 48 hours: 97 mg/l, Fundulus heteroclitus

Acute toxicity – aquatic invertebrates

EC₅₀, 48 hours: 27 mg/l, Daphnia magna

LC₅₀, 48 hours: 109 mg/l, Palaemonetes pugio

Acute toxicity – aquatic plants

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

Acute toxicity – microorganisms

EC₅₀, 0.67 hours: 2590 mg/l, Bacteria

Chronic aquatic toxicity

Chronic 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

Acute toxicity – fish

LC₀, hours: >1-<10 mg/l, Fish

Acute toxicity – aquatic invertebrates

EC₅₀, 48 hours: 3 mg/l, Daphnia magna

Acute toxicity – aquatic plants

LC₀, hours: >1-<10 mg/l, Algae

Hexane-Norm:

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, EC₅₀, IC₅₀, : 10 mg/l, Fish

Acute toxicity – aquatic invertebrates

LC₅₀, EC₅₀, IC₅₀, : 10 mg/l, Daphnia magna

Acute toxicity – aquatic plants

LC₅₀, EC₅₀, IC₅₀, : 10 mg/l, Algae

12.2 Persistence and degradability

No data available for all ingredients.

12.3 Bioaccumulation potential

Ingredient	Bioaccumulation
Dichloromethane	The product is not bioaccumulating.

12.4 Mobility in soil

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

12.5 Results of PBT and vPvB assessment

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

12.6. 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

Labels required:



Marine Pollutant: No.

Hazchem: Not applicable.

Land transport (ADR):

14.1 UN number	2810
14.2 UN proper shipping name	TOXIC LIQUID, ORGANIC, N.O.S.
14.3 Transport hazard class(es)	Class: 6.1 Subrisk: Not applicable
14.4 Packing group	II
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	Classification code: T1 Hazard label: 6.1 Special provisions: 274, 614 Limited quantity: 100ml Tunnel restriction code: 2(D/E)

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

Not applicable.

14.8. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Not applicable.

14.9. Transport in bulk in accordance with the ICG Code

Not applicable.

15. REGULATORY INFORMATION

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

National 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).

Guidance: Approved Classification and Labelling Guide (Sixth edition) L131.

Authorisations (SI 2020 No.) 1577 Annex XIV: No specific authorisations are known for this product.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

full text risk and hazard codes:

H225 Highly flammable liquid and vapour.
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.

SDS version summary:

Version	Date of Update	Section Updated
2.0	24/03/2023	Template Change

Other information:

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

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.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection
EN 340 Protective clothing
EN 374 Protective gloves against chemicals and micro-organisms
EN 13832 Footwear protecting against chemicals
EN 133 Respiratory protective devices

Definitions and abbreviations:

PC—TWA: Permissible Concentration-Time Weighted Average
PC—STEL: Permissible Concentration-Short Term Exposure Limit
IARC: International Agency for Research on Cancer
ACGIH: American Conference of Governmental Industrial Hygienists
STEL: Short Term Exposure Limit
TEEL: Temporary Emergency Exposure Limit.
IDLH: Immediately Dangerous to Life or Health Concentrations
ES: Exposure Standard
OSF: Odour Safety Factor
NOAEL :No Observed Adverse Effect Level
LOAEL: Lowest Observed Adverse Effect Level
TLV: Threshold Limit Value
LOD: Limit Of Detection
OTV: Odour Threshold Value
BCF: BioConcentration Factors
BEI: Biological Exposure Index
AII: Australian Inventory of Industrial Chemicals
DSL: Domestic Substances List
NDSL: Non-Domestic Substances List
IECSC: Inventory of Existing Chemical Substance in China
EINECS: European Inventory of Existing Commercial chemical Substances
ELINCS: European List of Notified Chemical Substances
NLP: No-Longer Polymers
ENCS: Existing and New Chemical Substances Inventory
KECI: Korea Existing Chemicals Inventory
NZIoC: New Zealand Inventory of Chemicals
PICCS: Philippine Inventory of Chemicals and Chemical Substances
TSCA: Toxic Substances Control Act
TCSI: Taiwan Chemical Substance Inventory.
INSQ: Inventario Nacional de Sustancias Químicas
NCI: National Chemical Inventory
FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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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