

SAFETY DATA SHEET
according to Regulation (EU) 2015/830

ARC ROOFING FELT ADHESIVE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Arc Roofing Felt Adhesive
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1.3. Details of the supplier of the safety data sheet

Company	Arc Building Products
Address	IDA Business & Technology Park Ballynattin Arklow Co. Wicklow Ireland. Y14 A370
Web	www.arcbuildingproducts.ie
Telephone	T: +353 (0)402 32370
Email	E: sales@arcbuildingproducts.ie

1.4. Emergency telephone number


Emergency telephone number	+353 (0)402 3237
Company	Arc Building Products (Office hours only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	: EUH066; Flam. Liq. 3: H226; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground/bond container and receiving equipment. P241 - Use explosion-proof electrical/ventilating/lighting// equipment. P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge.

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2.2. Label elements

Precautionary Statement: Response	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER/doctor/ if you feel unwell. P314 - Get medical advice/attention if you feel unwell. P370+P378 - In case of fire: Use to extinguish. P391 - Collect spillage.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to licensed waste disposal site
SUPPLEMENTAL HAZARD INFORMATION	"Contains Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)" reference to be included on product label.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)			919-446-0	01-2119458049-33	20 - 30%	: EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
Asphalt (Asphalt, petroleum fumes)		8052-42-4	232-490-9	01-2119480172-44	1 - 10%	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Wash off immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
Ingestion	Rinse mouth thoroughly. Drink 1 to 2 glasses of water. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. May cause dizziness and headache.
Eye contact	May cause irritation to eyes.
Skin contact	May cause degreasing of the skin. May cause irritation to skin.
Ingestion	Irritating to mouth, throat and stomach.

General information

	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Do NOT use water jet. Use foam, carbon dioxide, dry powder, sand or earth.

5.2. Special hazards arising from the substance or mixture

Burning produces irritating, toxic and obnoxious fumes.

5.3. Advice for firefighters

In confined spaces, fire-fighters should wear self-contained breathing equipment apparatus and protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition. Ensure adequate ventilation of the working area. When using do not eat, drink or smoke. Wear suitable protective clothing, gloves and eye/face protection.

6.2. Environmental precautions

Do not allow runoff water to enter sewers or drains. Do not flush into surface water. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal.

6.4. Reference to other sections

SECTION 13: Disposal considerations. SECTION 14: Transport information. SECTION 2: Hazards identification.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Asphalt (Asphalt, petroleum fumes)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 10
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 350
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	WEL 8-hr limit mg/m3 total inhalable dust:	WEL 15 min limit mg/m3 total inhalable dust:
	WEL 8-hr limit mg/m3 total respirable dust:	WEL 15 min limit mg/m3 total respirable dust:


8.2. Exposure controls

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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear suitable protective clothing.
Eye / face protection	Wear: Safety glasses. Eye protection conforming to EN166.
Skin protection - Handprotection	Wear: Chemical resistant gloves (PVC). It is recommended that chemical-resistant, impervious gloves conforming with EN374 are worn. It is recommended a glove with breakthrough time >30 min is specified albeit end users should undertake their own risk assessment in accordance with their intended use of the product.
Respiratory protection	Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Wear a respirator (conforming to EN140) fitted with the following P3 cartridge (conforming to EN143): Organic vapour filter.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid./Paste
Colour	Black
Odour	Characteristic
Initial boiling point	≥ 153 °C
Flash point	≥ 40 °C
Upper Explosive Limit	Not determined
Lower Explosive Limit	Not determined
Autoignition temperature	≥ 200 °C
Viscosity	> 370 x 10 ⁻⁶ m ² /s @ 40 °C (ISO 3104/3105)
Solubility	Insoluble in water

9.2. Other information

Specific gravity	0.91 - 0.93
VOC (Volatile organic compounds)	≈ 278 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

	Not reactive.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	Under normal conditions of storage and use, hazardous reactions will not occur.
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10.4. Conditions to avoid

	Heat, sparks and open flames. Keep only in the original container at a temperature not exceeding 30 °C. Do NOT allow to freeze.
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10.5. Incompatible materials

	Oxidising agents. Keep away from food, drink and animal feedingstuffs.
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10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes. Fire will produce dense black smoke. Carbon Dioxide and Carbon Oxides may be formed in fire conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	EUH066 - Repeated exposure may cause skin dryness or cracking.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	No sensitization effects reported. Based on available data, the classification criteria are not met.
Germ cell mutagenicity	No mutagenic effects reported. Based on available data, the classification criteria are not met.
Carcinogenicity	No carcinogenic effects reported. Based on available data, the classification criteria are not met.
Reproductive toxicity	No teratogenic effects reported. Based on available data, the classification criteria are not met.
STOT-single exposure	STOT SE 3: H336 - May cause drowsiness or dizziness.
STOT-repeated exposure	STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .
Aspiration hazard	Aspiration hazard H304 has been eliminated due the kinematic viscosity of the product being above 20.5 mm ² /s @ 40°C.
Repeated or prolonged exposure	Repeated or prolonged exposure may cause damage to liver, kidneys and central nervous system. STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure .

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

No data is available on this product.

12.4. Mobility in soil

No data is available on this product.

12.5. Results of PBT and vPvB assessment

This product does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

May cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

General information

Dispose of this material and its container to hazardous or special waste collection point.
17 03 02 bituminous mixtures other than those mentioned in 17 03 01.

Disposal of packaging

After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free).

15 01 10* packaging containing residues of or containing by dangerous substances.

SECTION 14: Transport information

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Hazard pictograms

	 
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14.1. UN number

	UN1999
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14.2. UN proper shipping name

	TARS, LIQUID (contains Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))
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14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

14.4. Packing group

Packing group	III
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

ADR/RID

Hazard ID	30
Tunnel Category	(D/E)

IMDG

EmS Code	F-E S-E
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IATA

Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

SECTION 15: Regulatory information

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

Regulations	This Safety Data Sheet has been prepared in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Classification has been made in accordance with Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation).
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15.2. Chemical safety assessment

	Not required.
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Further information

	EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59.
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Further information

	<p>This product does not contain SVHC's $\geq 0.1\%$</p> <p>EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction This product does not contain substances subject to restriction</p> <p>EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorisation This product does not contain substances subject to authorisation</p> <p>Ozone-depleting substances (ODS) regulation (EC) 1005/2009 N/A.</p>
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SECTION 16: Other information

Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <p>9 - 9.1. Information on basic physical and chemical properties (Appearance).</p> <p>9 - 9.2. Other information (Product Subcategory).</p> <p>9 - 9.2. Other information (Specific gravity).</p> <p>14 - ADR/RID.</p> <p>16 - Maximum content of VOC.</p>
Data sources	Data extracted from individual component Safety Data Sheets.
Text of Hazard Statements in Section 3	<p>EUH066 - Repeated exposure may cause skin dryness or cracking.</p> <p>Flam. Liq. 3: H226 - Flammable liquid and vapour.</p> <p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.</p> <p>STOT SE 3: H336 - May cause drowsiness or dizziness.</p> <p>STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .</p> <p>Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.</p>
Maximum content of VOC	278 g/l.