

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

ARC Aqua-Block (Black)

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

1.1. Product identifier

| | |
|--------------|------------------------|
| Product name | Arc Aqua-Block (Black) |
|--------------|------------------------|

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 | +353 (0)402 32370 |
| Email | sales@arcbuildingproducts.ie |
| Email address of the competent person | technical@arcbuildingproducts.ie |

1.4. Emergency telephone number


| | |
|----------------------------|---|
| Emergency telephone number | NPIC - National Poison Information Centre |
| Company | Members of the Public: +353 (01) 8092166 (8.00 am to 10.00 pm - 7 days a week) Healthcare Professionals: +353 (01) 8092566 (24 hour service) |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------------------------------|---|
| 2.1.2. Classification - EC 1272/2008 | Flam. Liq. 3: H226; STOT SE 3: H336; Aquatic Chronic 3: H412; |
|--------------------------------------|---|

2.2. Label elements

| | |
|-------------------------------------|---|
| Hazard pictograms |  |
| Signal Word | Warning |
| Hazard Statement | Flam. Liq. 3: H226 - Flammable liquid and vapour. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Chronic 3: H412 - Harmful 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. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P271 - Use only outdoors or in a well-ventilated area. |

ARC Aqua-Block (Black)

Revision 1
Revision date 18/05/2023

2.2. Label elements

| | |
|--|---|
| Precautionary Statement: Response | 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. P370+P378 - In case of fire: Use to extinguish. |
| 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 |

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 |
|--|--------------|--------------------------|------------------------|---------------------------|----------------------|--|
| Quaternary ammonium compounds, di-C12-18-alkyldimethyl, chlorides | | 68391-05-9 | 269-924-1 | 01-2119486994-16 | 0 - 0.5% | Acute Tox. 4: H302; Skin Corr. 1B: H314; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 2: H411; |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Dolomite | | 64742-48-9 16389-88-1 | 919-857-5 240-440-2 | 01-2119463258-33 | 30 - 40% 20 - 30% | Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; |
| Isopropanol (Propan-2-ol) | 603-117-00-0 | 67-63-0 | 200-661-7 | 01-2119457558-25 | 0 - 0.5% | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; |
| 1H-Imidazole-1-ethanamine, 4,5-dihydro-, 2-nortall-oil alkyl derivs. | | 68442-97-7 | 270-500-3 | 01-2119487013-43 | 0 - 0.5% | Skin Corr. 1C: H314; Skin Sens. 1: H317; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |

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. DO NOT INDUCE VOMITING. Seek medical attention. |

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

| | |
|---------------------|---|
| Inhalation | Inhalation may cause nausea and vomiting. 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 | Ingestion may cause nausea and vomiting. Irritating to mouth, throat and stomach. |

General information

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|--|--|
| | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Treat symptomatically. |
|--|--|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--|--|
| | Use foam, carbon dioxide, dry powder, sand or earth. |
|--|--|

ARC Aqua-Block (Black)

Revision 1
Revision date 18/05/2023

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. Wear suitable protective clothing.

6.2. Environmental precautions

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. Keep away from sources of ignition - No smoking. When using do not eat or drink. Wear suitable protective clothing, gloves and eye/face protection.

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. Keep out of reach of children.

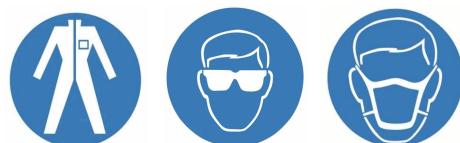
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

| | | |
|---------------------------|---|--|
| Dolomite | WEL 8-hr limit ppm: WEL 15 min limit ppm: WEL 8-hr limit mg/m3 total inhalable dust: WEL 8-hr limit mg/m3 total 4 respirable dust: | WEL 8-hr limit mg/m3: WEL 15 min limit mg/m3: WEL 15 min limit mg/m3 total inhalable dust: WEL 15 min limit mg/m3 total - respirable dust: |
| Isopropanol (Propan-2-ol) | WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust: | WEL 8-hr limit mg/m3: 999 WEL 15 min limit mg/m3: 1250 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust: |

8.2. Exposure controls



8.2.2. Individual protection measures

Wear suitable protective clothing.

ARC Aqua-Block (Black)

Revision 1
Revision date 18/05/2023

8.2. Exposure controls

| | |
|----------------------------------|--|
| Eye / face protection | Suitable eye protection. Eye protection conforming to EN166. |
| Skin protection - Handprotection | Chemical resistant gloves (PVC). Gloves conforming to EN374. |
| Respiratory protection | Not normally required. 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 | Liquid |
| Colour | Black |
| Odour | Characteristic |
| Freezing Point | Not determined |
| Initial boiling point | ≥ 135 °C |
| Flash point | ≥ 38.5 °C |
| Upper Explosive Limit | Not determined |
| Lower Explosive Limit | Not determined |
| Viscosity | ≈ 500 x 10 ⁻⁶ m ² /s @ 40 °C (ISO 3219) |
| Solubility | Insoluble in water |

9.2. Other information

| | |
|----------------------------------|-----------|
| Specific gravity | 1.14 |
| VOC (Volatile organic compounds) | ≤ 450 g/l |

SECTION 10: Stability and reactivity

10.1. Reactivity

| | |
|--|--------------------------------|
| | Reacts with: Oxidising agents. |
|--|--------------------------------|

10.2. Chemical stability

| | |
|--|---------------------------------|
| | Stable under normal conditions. |
|--|---------------------------------|

10.3. Possibility of hazardous reactions

| | |
|--|---|
| | Under normal conditions of storage and use, hazardous reactions will not occur. |
|--|---|

10.4. Conditions to avoid

| | |
|--|--|
| | Direct sunlight. Heat, sparks and open flames. |
|--|--|

10.5. Incompatible materials

| | |
|--|--|
| | Oxidising agents. Keep away from food, drink and animal feedingstuffs. |
|--|--|

10.6. Hazardous decomposition products

| | |
|--|--|
| | Burning produces irritating, toxic and obnoxious fumes. Fire will produce dense black smoke. |
|--|--|

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 | Based on available data, the classification criteria are not met. |
| Respiratory or skin sensitisation | No sensitization effects reported. |
| Germ cell mutagenicity | No mutagenic effects reported. |
| Carcinogenicity | No carcinogenic effects reported. |
| Reproductive toxicity | No teratogenic effects reported. |

ARC Aqua-Block (Black)

Revision 1
Revision date 18/05/2023

11.1. Information on toxicological effects

| | |
|--------------------------------|---|
| STOT-single exposure | STOT SE 3: H336 - May cause drowsiness or dizziness. |
| STOT-repeated exposure | Based on available data, the classification criteria are not met. |
| 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. |

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

| | |
|--|--|
| | Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. |
|--|--|

SECTION 13: Disposal considerations

General information

| | |
|--|---|
| | Contact a licensed waste disposal company. 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. |
|--|---|

Disposal of packaging

| | |
|--|---|
| | After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Contact a licensed waste disposal company. 15 01 10* packaging containing residues of or containing by dangerous substances. |
|--|---|

SECTION 14: Transport information

Hazard pictograms

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|--|---|
| |  |
|--|---|

14.1. UN number

| | |
|--|--------|
| | UN1263 |
|--|--------|

14.2. UN proper shipping name

| | |
|--|------------------------|
| | PAINT RELATED MATERIAL |
|--|------------------------|

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| ADR/RID | 3 |
| Subsidiary risk | - |

ARC Aqua-Block (Black)

Revision 1
Revision date 18/05/2023

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| IMDG | 3 |
| Subsidiary risk | - |
| IATA | 3 |
| Subsidiary risk | - |

14.4. Packing group

| | |
|---------------|-----|
| Packing group | III |
|---------------|-----|

14.5. Environmental hazards

| | |
|-----------------------|----|
| Environmental hazards | No |
| Marine pollutant | No |

ADR/RID

| | |
|-----------------|-------|
| Hazard ID | 30 |
| Tunnel Category | (D/E) |

IMDG

| | |
|----------|---------|
| EmS Code | F-E S-E |
|----------|---------|

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). |
|-------------|--|

15.2. Chemical safety assessment

| | |
|--|---------------|
| | Not required. |
|--|---------------|

Further information

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

SECTION 16: Other information

Other information

| | |
|----------|---|
| Revision | This document differs from the previous version in the following areas: 2 - 2.1. Classification of the substance or mixture. |
|----------|---|

ARC Aqua-Block (Black)

Revision 1
Revision date 18/05/2023

Other information

2 - 2.1.2. Classification - EC 1272/2008.
 2 - Hazard pictograms.
 2 - Signal Word.
 2 - Precautionary Statement: Prevention.
 2 - Precautionary Statement: Response.
 2 - Precautionary Statement: Storage.
 4 - Skin contact.
 4 - Inhalation.
 4 - Ingestion.
 4 - Ingestion.
 6 - 6.1. Personal precautions, protective equipment and emergency procedures.
 7 - 7.2. Conditions for safe storage, including any incompatibilities.
 8 - 8.2.1. Appropriate engineering controls.
 8 - Respiratory protection.
 8 - Skin protection - Handprotection.
 8 - Eye / face protection.
 9 - 9.1. Information on basic physical and chemical properties (Melting point).
 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).
 9 - 9.1. Information on basic physical and chemical properties (Viscosity).
 9 - 9.2. Other information (Specific gravity).
 10 - 10.4. Conditions to avoid.
 10 - 10.3. Possibility of hazardous reactions.
 10 - 10.1. Reactivity.
 10 - 10.5. Incompatible materials.
 11 - Acute toxicity.
 11 - Skin corrosion/irritation.
 11 - STOT-single exposure.
 11 - STOT-repeated exposure.
 12 - 12.1. Toxicity.
 12 - 12.6. Other adverse effects.
 13 - General information.
 15 - Labelling.
 15 - Hazard Statement.

Data sources

Data extracted from individual component Safety Data Sheets.

Text of Hazard Statements in Section 3

Acute Tox. 4: H302 - Harmful if swallowed.
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
 Eye Dam. 1: H318 - Causes serious eye damage.
 Aquatic Acute 1: H400 - Very toxic to aquatic life.
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
 Flam. Liq. 3: H226 - Flammable liquid and vapour.
 Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
 STOT SE 3: H336 - May cause drowsiness or dizziness.
 Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
 Eye Irrit. 2: H319 - Causes serious eye irritation.
 Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.
 Skin Sens. 1: H317 - May cause an allergic skin reaction.
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Maximum content of VOC

450 g/l.