

# MATERIAL SAFETY DATA SHEET

VERSION 1 – DPD / 1999 / 45 / EEC

Ref: 002/CLP – ARC-FIX WALL TILE ADHESIVE

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

- 1.1 Product Name:** ARC-FIX WALL TILE ADHESIVE
- 1.2 Applications:** Ready mixed Ceramic Wall Tile adhesive
- 1.3 Supplier:** Arc Building Products  
IDA Business & Technology Park  
Arklow, Co. Wicklow, Ireland  
Tel: +353 (0)402 32370 sales@arcbuildingproducts.ie
- 1.4 Emergency Telephone No.** +353 (0)402 32370 (office hours only)

## 2. HAZARDS IDENTIFICATION:

- 2.1 Classifications:**  
(EC) No. 1272/2008 Not Classified  
Hazard phrases: None applicable
- Signal word: None Applicable  
Precautionary phrases: None applicable
- 2.2 Other hazards:** None applicable

## 3. COMPOSITION / INFORMATION ON INGREDIENTS:

- 3.1 Substances:** N/A  
**3.2 Mixtures:** Acrylic emulsion, graded fine aggregates, dispersants, thickeners & preservative.

Name:	CAS No.:	EINECS:	Concentration:	Classification:
Styrene Acrylate copolymer	polymeric		5.0 – 15.0% w/w	
Bronopol	52-51-7	200-143-0	< 50ppm	H302, H312, H315, H318, H335, H400, H410
Benzo Isothiazolinone	2634-33-5	220-120-9	< 30ppm	H302, H314, H317, H318, H301, H400, H410
2-Methyl Isothiazolinone	2682-20-4	220-239-6	< 30ppm	H301, H330, H317, H318, H335, H400, H410

## 4. FIRST AID MEASURES:

- 4.1 Description of measures:**  
EYE CONTACT: Immediately wash out the eyes with plenty of water. Seek medical attention if symptoms persist
- INHALATION: Remove from exposure. Keep warm and rest.
- SKIN CONTACT: Wash the skin with soap and water
- INGESTION: Wash out the mouth with water. Do not induce vomiting. Seek medical attention if large amounts ingested
- 4.2 Acute & Chronic symptoms:**  
Inhalation: None  
Ingestion: None  
Skin contact: None  
Eye Contact: Eye contact with mixed paste may cause pro-longed irritation.
- 4.3 Immediate medical attention:** See First Aid measures above

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## 5. FIRE FIGHTING MEASURES:

- 5.1 Extinguishing media:** Use extinguisher appropriate to the surrounding materials & fire.
- 5.2 Combustion Hazards:** In case of fire use powder, foam, sand and water spray.
- 5.3 Advice for fire-fighters:** Self contained breathing apparatus should be worn.

## 6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal protection:** Wear impervious gloves, overalls, eye protection and a dust mask while clearing up the spillage.
- 6.2 Environmental precautions:** Contain and collect the spillage. Do not wash into drains.
- 6.3 Spill removal methods:** Shovel & scrape up in a manner to minimise spread. Only wash with water when trace residues remain.
- 6.4 References to other sections:** Before attempting any clean-up operation, consult the requirements for protective equipment shown in section 8 of this document.

## 7. HANDLING & STORAGE:

- 7.1 Safe handling precautions:** Handle in accordance with good safety and hygiene practices. Wear recommended PPE as repeated skin contact should be avoided. Avoid spillages. Use in a well-ventilated area.
- 7.2 (a) Safe storage conditions:** Store in sealed buckets. Keep out of reach of children in a cool well-ventilated environment, preferably off the ground and out of contact with water. This product must be stored sealed in cool dry conditions and protected from frost & elevated temperatures.
- 7.2 (b) Incompatible materials:** Avoid exposure to frost & elevated temperatures when in storage prior to use
- 7.3 Specific storage conditions:** None applicable

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

### 8.1 Control parameters

Substance:	8 hour exposure limit	Type:	Source:
	None applicable		

### 8.2 Exposure controls:

<b>Engineering controls:</b>	Provide adequate ventilation.
<b>Respiratory protections:</b>	Not essential under normal use
<b>Hand protection:</b>	Impervious gloves may be needed for sensitised individuals
<b>Eye protection:</b>	Goggles or eye/face protection is advised where splash risk is evident
<b>Other Protection:</b>	PVC overalls may be worn and should be laundered immediately after use.
<b>Hygiene measures:</b>	Contact with skin must be washed off immediately

## 9. PHYSICAL & CHEMICAL PROPERTIES:

<b>Appearance:</b>	Off-white paste	<b>Dry bulk density:</b>	n/a
<b>Odour:</b>	Acrylic	<b>Wet Bulk Density:</b>	1650 g/ltr +/- 50
<b>Odour threshold:</b>	n/a	<b>Solubility in oils:</b>	Insoluble
<b>pH:</b>	9.0 – 10.5	<b>Water solubility:</b>	partial
<b>Flash point:</b>	n/a	<b>Auto-ignition temperature:</b>	n/a
<b>Melting point:</b>	n/a	<b>Decomposition temperature:</b>	n/a
<b>Boiling point:</b>	n/a	<b>Surface tension:</b>	n/a
<b>Evaporation rate:</b>	As water	<b>Viscosity:</b>	25,000 mPa.s
<b>Upper/Lower Flam limits:</b>	n/a	<b>Explosive properties:</b>	Nil
<b>Vapour pressure:</b>	n/a	<b>Oxidising properties:</b>	Nil
<b>Vapour density:</b>	n/a	<b>Particle size:</b>	Up to 0.3mm

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## 10. STABILITY & REACTIVITY:

<b>10.1 Conditions to avoid:</b>	Frost & high temps during storage	<b>10.4 Reactivity:</b>	Stable
<b>10.2 Incompatible Materials:</b>	Not known	<b>10.5 Chemical reactivity:</b>	Aqueous media
<b>10.3 Decomposition hazards:</b>	Stable	<b>10.6 Risk of hazardous reaction:</b>	Not known

## 11. TOXICOLOGICAL INFORMATION:

**11.1 Information on toxicological effects:** This product has not been exhaustively tested. Judgements on the expected toxicity of this product have been made based upon consideration of its' major components.

### Routes of exposure:

Inhalation, ingestion & contact with skin & eyes

### Eye damage/irritation:

Direct contact with wet paste may cause corneal damage by delayed irritation.

### Skin Corrosivity / Irritation:

None

### Respiratory/skin sensitisation:

None known

## 12. ECOLOGICAL INFORMATION:

<b>12.1 Ecotoxicity:</b>	Not hazardous to the environment.	<b>12.4 Mobility in soil:</b>	negligible
<b>12.2 Bio-accumulative potential:</b>	Not relevant	<b>12.5 PBT and vPvB result:</b>	Not relevant
<b>12.3 Persistence &amp; degradability:</b>	100% biodegradable.	<b>12.6 Other adverse effects:</b>	Not relevant

## 13. DISPOSAL CONSIDERATIONS:

**13.1 Waste treatment Methods:** To be disposed in accordance with local authority regulations for non hazardous biodegradable waste. Existing EEC, National and Local Regulations must always be complied with.

## 14. TRANSPORT INFORMATION:

### Transport Labels:

This water based coating is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and therefore no classification is required.

Regulatory Code (Land, Sea & Air):	ADR	IMDG	ICAO
<b>14.1 UN No.:</b>			
<b>14.2 Proper shipping name:</b>			
<b>14.3 ADR Packing Group:</b>			
<b>14.4 Transport Hazard Class:</b>			
<b>14.5 Environmental hazards.</b>			
<b>14.6 Special user precautions:</b>			
<b>14.7 Transport in bulk – IBC code:</b>			

## 15. REGULATORY INFORMATION:

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

All components are listed as existing substances in Europe

#### UK Regulatory References:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

#### Statutory Instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice Classification and Labelling of Substances and Preparations Dangerous for Supply.

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## EU Legislation:

Dangerous Substance Directive 67/548/EEC.

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC,

## National Regulations:

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

**Authorisations (Title VII Regulation 1907/2006)** - No specific authorisations are noted for this product.

**Restrictions (Title VIII Regulation 1907/2006)** - No specific restrictions of use are noted for this product.

## 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

## 16. OTHER INFORMATION:

**Last revision date:** 14-05-16

**SDS No.:** 002/CLP

**References:** Volume VII Approved supply list; EH40; Croner; Supplier RM safety data sheets

### Classification methods:

#### H phrases in section 2:

H301 Toxic if swallowed  
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  
H335 May cause respiratory irritation  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects

**Precautionary phrases:** S2 Keep out of the reach of children. S24/25 Avoid eye and skin contact

#### Training for workers:

#### Disclaimer:

The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.