

1. IDENTIFICATION OF SUBSTANCES / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifiers

Product Name: **Araldite Mounting Resin**

Product code: 0CON-287

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

Identified uses: Resin for epoxy adhesive system.

Uses advised against: This product is to be used only for the purpose stated above.

Details of the supplier of the safety data sheet

Manufacturer: Logitech Ltd
Erskine Ferry Road
Old Kilpatrick
Glasgow
G60 5EU
Scotland, UK

Telephone +44 (0) 1389 875444
E-mail coshh.info@logitech.uk.com

Emergency telephone number

+44 (0) 1389 875444 (09:00 – 17:00 Monday to Friday)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

This material is a mixture

Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:

Skin Corrosion	Category 1B	H314 - Causes severe skin burns and eye damage
Skin sensitisation	Category 1	H317 - May cause an allergic skin reaction
Serious Eye Irritation	Category 2	H319 - Causes serious eye irritation
Aquatic Chronic Toxicity	Category 2	H411 - Toxic to aquatic life with long lasting effects

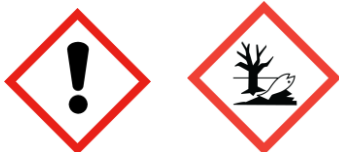
Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC

Symbol(s)	Xi	Irritant
	N	Dangerous for the environment

Risk phrase(s)	R36/38	Irritating to eyes and skin.
	R43	May cause sensitisation by skin contact
	R51-53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Labelling elements according to Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Pictogram (s):



Signal Word: **WARNING**

Hazard Statements

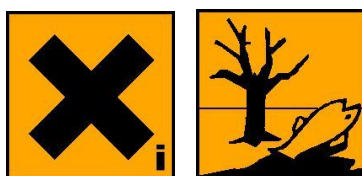
Causes severe skin burns and eye damage
May cause an allergic skin reaction
Causes serious eye irritation
Toxic to aquatic life with long lasting effects

Precautionary Statements

Wear protective gloves.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Avoid release to the environment.

Additional labelling: Contains epoxy constituents. May produce an allergic reaction

Labelling elements according to CHIP and EU Directives 67/548/EEC or 1999/45/EC



Symbol:

Indication of Danger: IRRITANT DANGEROUS FOR THE ENVIRONMENT

Risk phrases: Irritating to eyes and skin.
May cause sensitisation by skin contact
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases: After contact with skin, wash immediately with plenty of soap and water
Wear suitable gloves and eye/face protection
Avoid release to the environment. Refer to special instructions/safety data sheet

Additional labelling: Contains epoxy constituents. See information supplied by the manufacturer

Other Hazards

No information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This material is a mixture.

Hazardous substances present at or above threshold limits:

Component	CAS No.	EC No.	%
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	25068-38-6	500-033-5	25 - 36
<i>Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC:</i>			
Xi Irritant	R36/38 R43	Irritating to eyes and skin. May cause sensitisation by skin contact	
N Dangerous for the environment	R51-53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment	

<i>Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:</i>			
Skin sensitiser	Category 1	H317 - May cause an allergic skin reaction	
Skin irritation	Category 2	H315 - Causes skin irritation	
Serious Eye Irritation	Category 2	H319 - Causes serious eye irritation	
Aquatic Chronic Toxicity	Category 2	H411 - Toxic to aquatic life with long lasting effects	
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight 700 - 1100)			1 -10
<i>Classification according to CHIP and EU Directives 67/548/EEC or 1999/45/EC:</i>			
Xi Irritant	R36/38 R43	Irritating to eyes and skin. May cause sensitisation by skin contact	
<i>Classification according to Regulation (EC) 1272/2008 (EU 'CLP' regulation) as amended:</i>			
Skin sensitiser	Category 1	H317 - May cause an allergic skin reaction	
Skin irritation	Category 2	H315 - Causes skin irritation	
Serious Eye Irritation	Category 2	H319 - Causes serious eye irritation	

4. FIRST AID MEASURES

Description of first aid measures

General advice

Remove from source of exposure.

Inhalation

Remove from exposure to fresh air. Seek medical attention.

Ingestion

DO NOT induce vomiting.

Drink plenty of water

Seek immediate medical attention.

Skin contact

Wash area with soap and water then rinse thoroughly with water. If person experiences continued irritation seek medical advice.

Remove contaminated clothing and launder before re-use.

Eye contact

Wash out with plenty of water. After initial flushing, remove any contact lenses and continue flushing.

Seek medical advice.

Most important symptoms and effects, both acute and delayed

No information available

Indication of any immediate medical attention and special treatment needed

No information available

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Water spray, alcohol resistant foam, dry extinguishing powder, carbon dioxide

Unsuitable extinguishing media: Water jet may cause splashing of material.

Special hazards arising from the substances or mixture

Product is based on organic materials. Combustion will produce carbon dioxide, carbon monoxide and irritating and toxic organic chemicals.

Advice for fire fighters

Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Prevent contact with eyes and skin – wear Personal Protective equipment (PPE) - eye protection and chemically impervious gloves (rubber, nitrile, PVC etc).

Avoid breathing fumes / vapour / mist. Ensure good ventilation.

Environmental precautions

Do not allow to contaminate rivers, streams, other waterways, drains, or other aquatic systems. Use absorbent materials (spill kit materials, sand, absorbent granules, earth etc) to contain the spillage and prevent environmental contamination.

Advise local authorities immediately if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Use absorbent materials (spill kit materials, sand, absorbent granules, earth etc) to soak up the spillage. Sweep or scrape the absorbed material into a sealable storage container.

Remove final residues with a water / detergent mixture, running the water to foul sewer (NOT surface water drains).

Reference to any other sections

See section 8 for Personal Protective Equipment (PPE)

See section 13 for disposal information

7. HANDLING AND STORAGE

Precautions for safe handling:

Prevent skin contact. Wear chemically impervious gloves.

Prevent eye contact. Wear eye protection.

Avoid breathing fumes – ensure adequate ventilation.

Do not eat, drink or smoke while using material. Wash hands after use.

Conditions for safe storage, including any incompatibilities

Keep containers sealed in a cool, well ventilated area.

Do not store in direct sunlight or near other heat sources.

Specific end use(s)

None identified

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits

There is no UK Workplace Exposure Limit (WEL) for this material.

As with all materials, exposure should be minimised. Provide ventilation or extraction if significant vapour /mist is generated.

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available

Exposure controls

Appropriate engineering controls

Design equipment to prevent eye or skin exposure.

Personal protective equipment

If PPE is necessary to control exposure use the following:

Respiratory protection	If significant vapour is generated (or irritation is experienced) use an EN149 approved respirator fitted with a combined particle and organic vapour filter (type AP). The correct selection, fitting, use, storage and maintenance of respiratory protective equipment is important. Follow manufacturer's recommendation or seek expert advice. HSE document HSG 53 provides some guidance
Hand protection	Chemically impervious gloves suitable for use with epoxy resin materials e.g. Nitrile gloves. Follow manufacturer recommendations on inspection and replacement.
Skin protection	Long sleeved clothing. Replace contaminated clothing before skin contact occurs.
Eye protection	EN approved goggles or face shield if eye contact likely .

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemicals properties

Appearance:	black paste
Odour:	slight
Odour threshold:	information not available
pH:	information not available
Melting point:	information not available
Boiling point:	>200 °C
Flash point:	>200 °C estimated
Evaporation rate	information not available
Flammability	information not available
Upper/lower	information not available
Explosive limits	information not available
Vapour pressure	< 0.001 Pa at 20 °C
Vapour density	information not available
Density	1.65 g/cm ³ at 25 °C
Solubility in water:	Insoluble in water.
Solubility in other	
Ingredients:	information not available
Partition coefficient	
Octanol/water:	information not available
Auto-ignition temperature	information not available
Decomposition temperature	information not available
Viscosity	information not available
Explosion properties:	information not available
Oxidising properties:	Not oxidising.

Other information

No additional data available

10. STABILITY AND REACTIVITY

Reactivity

Not reactive to materials commonly used in the transportation, handling and storage.

Chemical stability

Stable at room temperature.

Possibility of hazardous reactions

No hazardous reactions known

Conditions to avoid

Ignition sources

Incompatible materials

Strong acids, bases, oxidising agents

Hazardous decomposition products

Combustion will produce carbon dioxide, carbon monoxide and irritating and toxic organic chemicals.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	Oral: LD 50 (rat): >5000 mg / kg
Irritation	Expected to be irritating to the eyes and skin.
Corrosivity	No data available
Sensitisation	Can cause skin sensitisation.
Repeated dose toxicity	No data available
Carcinogenicity	Not classified as carcinogenic
Mutagenicity	Not considered a mutagenic hazard.
Toxicity for reproduction	Not classified as a developmental toxicant.

Other information

No data available

12. ECOLOGICAL INFORMATION

Toxicity

Data not available

Persistence and biodegradability

Not expected to be biodegradeable.

Bioaccumulative potential

Data not available

Mobility in Soil

Data not available

Results of PBT and vPvB assessment

Data not available

Other adverse effects

Data not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Dispose of product as hazardous waste in accordance with local, national and international legislation, using an approved registered waste disposal company.

The European Waste Code will depend upon the use of the product and cannot be specified here (consider 13 08 99).

If the product has been reacted with an appropriate epoxy resin to produce a homogenous cured solid resin this can be disposed of as non-hazardous waste

Packaging

Clean packaging can be disposed of as general waste: European Waste Code 15 01 xx (xx will depend upon the type of packaging e.g. plastic, cardboard etc. Refer to European Waste Catalogue). Recycle such waste wherever possible.

Contaminated packaging / containers must be disposed of as hazardous waste

14. TRANSPORT INFORMATION

UN number

3082

	ADR/RID	IMDG	IATA
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. contains: (BISPHENOL A EPOXY RESIN)		
Transport hazard class(s)	9	9	9
Packing group	III	III	III

Environmental hazards

IMDG Marine pollutant: No information available

Special precautions for user

None identified

Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code

No information available

15. REGULATORY INFORMATION

This Safety Data Sheet has been prepared in accordance with the requirements of regulation (EC) No 1907/2006 as amended by regulation (EU) No 453/2010.

Workplace exposure Limits given in section 8 have been taken from the UK HSE document: EH40/2005 Workplace exposure limits as amended.

Relevant regulations:

Regulation (EC) 1272/2008 (EU 'CLP' regulation)

Regulation (EC) 790/2009 First Adaptation to Technical Progress (ATP) for CLP regulation

Regulation (EC) 286/2011 Second Adaptation to Technical Progress (ATP) for CLP regulation

EU Directive 67/548/EEC ('Dangerous Substances Directive')

Regulation (EC) No 1907/2006 ('REACH')

Regulation (EU) No 453/2010.

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

None identified

Chemical safety assessment

A Chemical Safety Assessment has not been undertaken for this product.

16. OTHER INFORMATION

The information contained in the Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, storage, transportation and disposal. It is not intended as a warranty or specification. The information relates only to the product specified and may not be suitable for combinations with other materials.