



CP0110 / 1A

Materials Safety Data Sheet

Araldite Standard Epoxy

Stock Number: 691-779

Section 1. Identification of the Substance / Preparation and Company.	
Product Name:	Araldite Professional.
Supplier:	RS Components Ltd., P.O. Box 99, Corby, Northants.. NN17 9RS (+44) 0(1)536-402888.
Section 2. Composition / Information on Ingredients.	
<u>Ingredient</u>	<u>%range</u> <u>Sym/let</u> <u>Risk phrases</u>
Resin Bisphenol A epoxy resin	75-87 Xi Irritating to eyes and skin. May cause sensitisation by skin contact.
Hardener N (3-Dimethylaminopropyl)- 1,3-propylenediamine	5-10 C Causes burns. May cause sensitisation by skin contact.
Section 3. Hazards Identification.	
Irritating to eyes and skin. May cause sensitisation by skin contact. Misuse of the product through lack of care or personal protection may cause dermatitis.	
Section 4. First Aid Measures.	
Inhalation:	Move affected person to fresh air. In case of irritation of respiratory system or mucous membranes, if you feel unwell, or in case of prolonged exposure, get medical attention.
Skin Contact:	Wipe with absorbent paper disposable towels. Wash with plenty of soap and water. Do not use organic solvents. In case of dermatitis get medical attention.
Eye Contact:	Rinse immediately with water for at least 15 minutes and seek medical attention.
Ingestion:	Immediately rinse the mouth repeatedly with water. If swallowing has occurred, drink plenty of water. Do not induce vomiting. Seek medical attention promptly.
Medical Notes:	If any adverse symptoms persist seek immediate medical attention.
Section 5. Fire-Fighting Measures.	
Suitable Extinguishing Media:	Water mist, carbon dioxide, foam or dry powder.
Do not use:	High pressure water jet.
Exposure hazards:	Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases and vapours. Do not release chemically contaminated water into drains, soil or surface water. Sufficient measures must be taken to retain water used for extinguishing. Dispose of contaminated water and soil in accordance with local regulations.
Protective Measures:	Use full protective clothing and self-contained breathing apparatus when large quantities are involved in a conflagration.

Section 6. Accidental Release Measures.			
Personal precautions:	Refer to Section 8; Personal Protection.		
Environmental precautions:	Refer to Section 13; Disposal.		
Methods of clearing up:	Take up with absorbent inert material and place in suitable closable container for disposal.		
Section 7. Handling and Storage.			
Handling:	Product can be an irritant and sensitiser. Ensure good ventilation . Do not eat, drink or smoke at the workplace.		
Storage:	Keep away from food and drink. Store in the original container, securely closed and at room temperature.		
Section 8. Exposure Controls / Personal Protection.			
Engineering Measures:	Respiratory protection is not normally necessary, but work in a well ventilated area. Wear respiratory protective equipment if continually exposed to vapours.		
Personal protection:	Wear suitable gloves, e.g. nitrile. Wear suitable goggles or face protection, overalls and closed footwear.		
Section 9. Physical and Chemical Properties.			
<u>Resin Component</u>			
Appearance / Colour:	Cream liquid.	Flammability:	N.A.
Odour:	Slight.	pH / Concentration	6–7 @ 1:1 water
Boiling Point / Range °C:	N.A.	Melting Point °C:	N.A.
Flash Point °C:	>200 DIN 51758	Auto Ignition temp °C:	N.A.
Explosive / Oxidising:	N.A.	Explosive Limits (%vol):	N.A.
Relative Density @ 25°C:	1.15–1.25g / cm³	Solubility / Miscibility:	practically insoluble
Viscosity @ 25°C:	24–45 Pa s	Volatile Content (V.O.C.):	N.A.
Vapour Pressure @ 20°C:	0.1 Pa.	Vapour Density (air=1):	N.A.
Evaporation Rate:	N.A.	Conductivity:	N.A.
<u>Hardener Component</u>			
Appearance / Colour:	Brownish yellow liquid.	Flammability:	N.A.
Odour:	Slight.	pH / Concentration:	12 @ 1:1 water
Boiling Point / Range °C:	N.A.	Melting Point °C:	N.A.
Flash Point °C:	>110 DIN 51758	Auto Ignition temp °C:	N.A.
Explosive / Oxidising:	N.A.	Explosive Limits (%vol):	N.A.
Relative Density @ 25°C:	0.94–0.98g / cm³	Solubility / Miscibility:	Practically insoluble
Viscosity @ 25°C:	20–30 Pa s	Volatile Content (V.O.C.):	N.A.
Vapour Pressure @ 20°C:	4 Pa (approx.)	Vapour Density (air=1):	N.A.
Evaporation Rate:	N.A.	Conductivity:	N.A.
Section 10. Stability and Reactivity.			
Stability:	Thermal decomposition occurs @ >200°C		
Conditions to Avoid:	Static discharges		
Materials to Avoid:	Strong acids, strong bases and strong oxidising agents.		
Hazardous Decomposition Products:	Thermal decomposition or burning may release oxides of carbon and other toxic gases or vapours.		

Section 11. Toxicological Information.															
<u>Toxic effects arising from exposure based on experimental / non-experimental data.</u>															
	<table> <tr> <th><u>Resin</u></th><th><u>Hardener</u></th></tr> <tr> <td>LD₅₀ (Oral rat):</td><td>>5000 mg / kg</td></tr> <tr> <td>Eye irritation (rabbits):</td><td>>5000 mg / kg</td></tr> <tr> <td>Skin irritation (rabbits):</td><td>Not irritant</td></tr> <tr> <td>Skin sensitisation (rabbit):</td><td>Not irritant</td></tr> <tr> <td></td><td>May cause sensitisation by skin contact.</td></tr> <tr> <td></td><td>May cause sensitisation by skin contacts</td></tr> </table>	<u>Resin</u>	<u>Hardener</u>	LD ₅₀ (Oral rat):	>5000 mg / kg	Eye irritation (rabbits):	>5000 mg / kg	Skin irritation (rabbits):	Not irritant	Skin sensitisation (rabbit):	Not irritant		May cause sensitisation by skin contact.		May cause sensitisation by skin contacts
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Section 12. Ecological Information.															
<u>Possible environmental effects and behaviour / ODP / aquatic toxicity</u>															
Prevent contamination of soil, drains or surface water.															
Section 13. Disposal Considerations.															
<u>Safe disposal of product, its residues and packaging materials:</u>															
<p>Incineration or landfill in accordance with local regulations. Contaminated packaging materials should be disposed using same method as product itself. Packaging materials that are not contaminated should be treated as household waste or recycling material. For easy disposal, any unmixed resin and hardener can be mixed and allowed to cure. Once fully cured Araldite Standard can be disposed of as normal household waste.</p> <p>Dispose of according to Local Regulations.</p> <p>See also Sections 7 & 8 for handling precautions and personal protection where applicable</p>															
Section 14. Transport Information.															
Classified as non hazardous for transportation.															
Section 15. Regulatory Information.															
<u>Labelling Information.</u>															
<u>Resin Component</u>															
Indication of Danger:	Irritant.														
Contains:	Epoxy constituents . See information supplied by manufacturer.														
Risk phrases:	Irritating to eyes and skin.														
	May cause sensitisation by skin contact.														
Safety phrases:	After contact with skin wash immediately with plenty of soap and water.														
	Wear suitable gloves and eye / face protection.														
<u>Hardener Component</u>															
Indication of Danger:	Irritant.														
Contains:	N (3-Dimethylaminopropyl)-1,3-propylenediamine														
Risk phrases:	Irritating to eyes and skin.														
	May cause sensitisation by skin contact.														
Safety phrases:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.														
	After contact with skin wash immediately with plenty of soap and water.														
Section 16. Other Information.															
Recommended uses and restrictions:	Araldite standard is a two-component, room temperature curing epoxy industrial adhesive. The product should be used in accordance with the instructions supplied.														
Publication refs:	Compiled in accordance with CHIP 2 Regulations 1994. HSC Approved Code of Practice, document L63.														

Section 17.	Section Revision and Dates.
<u>Revision:</u> <u>Section:</u> <u>Date:</u> <u>Legend:</u> N.A.=Not Applicable or Not Available. N.D.=Not Determined or Not Determinable. Est.=Estimated.	
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