

# Material Safety Data Sheet

ARALDITE  
2011 HARDENER

Date prepared: 10th November 1995

Date revised: 12th March 1997

0CON-307

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## 1. Identification of the Substance/Preparation and the Company/ Undertaking

Substance or preparation trade name: **Araldite 2011 Hardener**

Unique reference number(s): **0CON-307**

Company/undertaking name & address: **Logitech Ltd.,  
Erskine Ferry Road, Old Kilpatrick, Glasgow  
G605EU, Scotland, UK**

Telephone: **(+44) 1389 875444**

Emergency telephone number: **As above**

## 2. Composition

Substance: **Mixture of Polyaminoamide and aliphatic polyamine**

% content: **7-13% N(3-Dimethylaminopropyl)-1,3-propyl-enediamine**

CAS number: **10563-29-8**

EEC Symbol: **Xi**

## 3. Hazards Identification

***Irritating to eyes and skin. May cause sensitisation by skin contact.***

## 4. First Aid Measures

Inhalation: ***Move affected person to fresh air. In case of irritation of respiratory system or mucous membranes, or 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. Seek medical attention promptly.***

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## 5. Fire-Fighting Measures

Suitable extinguishing media:	<b><i>Water mist; Carbon dioxide; Foam; Dry powder.</i></b>
Unsuitable Extinguishing Media:	<b><i>High pressure water jet.</i></b>
Exposure Hazards:	<b><i>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 according to local regulation.</i></b>

## 6. Accidental Release Measures

Personal precautions:	<b><i>Avoid contact with skin, eyes and clothing .</i></b>
Environmental precautions:	<b><i>Prevent contamination of soil, drains and surface waters.</i></b>
Methods for cleaning:	<b><i>Take up absorbent, inert material and place in suitable and closed container for disposal.</i></b>

## 7. Handling and Storage

Handling:	<b><i>Irritant, sensitising. Ensure good ventilation and local exhaust. Do not eat, drink or smoke at the workplace.</i></b>
Storage:	<b><i>Keep away from food and drink. Store in the original container securely closed and at room temperature.</i></b>

## 8. Exposure Controls

Technical protective measures:	<b><i>No special measures required.</i></b>
Exposure control limits:	<b><i>None.</i></b>
Respiratory protection:	<b><i>Wear suitable gas mask when exposed to gas, vapour or aerosol.</i></b>
Hand protection:	<b><i>Wear suitable gloves.</i></b>
Skin protection:	<b><i>Wear overalls and closed footwear.</i></b>
Eye protection:	<b><i>Wear suitable goggles or face protection.</i></b>

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## 9. Physical and Chemical Properties

Appearance:	<b><i>Brownish yellow liquid</i></b>
Odour:	<b><i>Slight</i></b>
pH:	<b><i>12 at 1:1 mixture with water</i></b>
Boiling point:	<b><i>N/A</i></b>
Melting point:	<b><i>Not applicable</i></b>
Flashpoint (°C):	<b><i>&gt;110 °C DIN 51758</i></b>
Density:	<b><i>0.94 - 0.98 g/cm<sup>3</sup> at 25°C</i></b>
Viscosity:	<b><i>20-30 Pa s at 25°C</i></b>
Solubility in water:	<b><i>Practically insoluble at 20°C</i></b>
Vapour pressure:	<b><i>Approx. 4 Pa at 20°C</i></b>

## 10. Stability and Reactivity

Thermal Decomposition :	<b><i>&gt; 200 °C</i></b>
Conditions to avoid:	<b><i>Static discharges</i></b>
Materials to avoid:	<b><i>Strong acids and strong oxidizing agents</i></b>
Hazardous decomposition products:	<b><i>Thermal decomposition or burning may release oxides of carbon and other toxic gases or vapours.</i></b>

## 11. Toxicological Information

LD50 Acute oral toxicity in rats:	<b><i>&gt; 5000 mg/kg</i></b>
Eye irritation tested in rabbits:	<b><i>Not irritant</i></b>
Skin sensitisation tested in guinea pigs:	<b><i>Not irritant</i></b>
Skin irritation tested in rabbits:	<b><i>May cause sensitisation by skin contact</i></b>

## 12. Ecological Information

***Prevent contamination of soil, drains or surface water.***

LC50 Zebra fish (96hrs)	<b><i>N/A</i></b>
LC50 Rainbow Trout (96hrs)	<b><i>N/A</i></b>
EC50 Daphnia magna (24hrs)	<b><i>N/A</i></b>
Biodegradability (Sturm test)	<b><i>N/A</i></b>

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### 13. Disposal Considerations

***Incineration or landfill in accordance with local regulations. Contaminated packaging materials should be disposed of identically to the product itself. Packaging materials that are not contaminated should be treated as household waste or as recycling material. For easy disposal any unmixed resin and hardener can be mixed and allowed to cure. Once fully cured, Araldite 2011 can be disposed of as normal household waste.***

### 14. Transport Information

RID/ADR	<b><i>Free</i></b>
IMDG-Code	<b><i>Free</i></b>
IATA	<b><i>Free</i></b>
Flashpoint	<b><i>&gt;110 °C DIN 51758</i></b>

### 15. Regulatory Information

Symbol:	<b><i>Xi</i></b>
Contains:	<b><i>N(3-Dimethylaminopropyl)-1,3 propylenediamine</i></b>
R 36/38	<b><i>Irritating to eyes and skin</i></b>
R43	<b><i>May cause sensitisation by skin contact</i></b>
S24/25	<b><i>Avoid contact with skin and eyes.</i></b>

NOTE: THIS DATA SHEET DOES NOT CONSTITUTE A USER'S ASSESSMENT OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS, OR OTHER HEALTH AND SAFETY LEGISLATION.

### 16. Other Information

Product Use:	<b><i>Araldite 2011 is a two-component, room temperature curing epoxy industrial adhesive.</i></b>
Abbreviations:	<b><i>N/A: Not available</i></b>

The data contained in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information. All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control.