

Material Safety Data Sheet

ARALDITE HY956
HARDENER

Date prepared: 22nd March 1996

Date revised: N/A (first issue)

0CON-288

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

Substance or preparation trade name: **ARALDITE HY956 HARDENER**

Unique reference number(s): **0CON-288**

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: **Triethylenetetramine**

% content: **20-30**

CAS number: **112-24-3**

EEC Symbol: **C**

3. Hazards Identification

Causes burns. Harmful in contact with 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, seek medical attention.***

Skin contact: ***Wash with plenty of soap and water. Do not use organic solvents. In case of dermatitis, seek medical attention.***

Eye contact: ***Rinse immediately with water for at least 15 minutes. Seek medical attention IMMEDIATELY.***

Ingestion: ***Affected person should drink 500 - 800ml water, if possible with suspended activated carbon for medical use. In case of spontaneous vomiting be sure that vomitus can freely drain because of danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in case of unconsciousness or convulsions. Seek medical attention.***

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5. Fire-Fighting Measures

Suitable extinguishing media:	<i>Water mist; carbon dioxide; foam; dry powder.</i>
Unsuitable extinguishing media:	<i>High pressure water jet.</i>
Exposure hazards in fire:	<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 regulations.</i>

6. Accidental Release Measures

Personal precautions:	<i>Do not breathe vapour. Avoid ignition sources. Avoid contact with skin, eyes and clothing.</i>
Environmental precautions:	<i>Prevent contamination of soil, drains and surface waters.</i>
Methods for cleaning:	<i>Take up with absorbent, inert material (e.g. kieselgur, sand) and place in suitable and closable container for disposal.</i>

7. Handling and Storage

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

8. Exposure Controls

Technical protective measures:	<i>None.</i>
Exposure control limits, and source:	<i>None.</i>
Respiratory protection:	<i>In case of insufficient ventilation, wear suitable respiratory equipment.</i>
Hand protection:	<i>Wear suitable gloves.</i>
Skin protection:	<i>Wear overalls and closed footwear.</i>
Eye protection:	<i>Wear suitable goggles and face protection.</i>

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9. Physical and Chemical Properties

Appearance:	Liquid.
Odour:	Ammonia-like odour.
pH:	ca. 12 at 1:1 mixture.
Boiling point:	>200°C
Melting point:	Not applicable.
Flashpoint (°C):	152°C DIN51758
Flammability:	N/A
Autoflammability:	N/A
Explosive properties:	N/A
Oxidising properties:	N/A
Vapour pressure:	0.1Pa at 20°C.
Relative density:	1.00-1.05 g/cm³ at 25°C.
Solubility in water:	Miscible at 20°C.
Other:	Viscosity 370-470 mPas at 25°C.

10. Stability and Reactivity

Thermal decomposition:	>200°C
Conditions to avoid:	Static discharges.
Materials to avoid:	Strong acids, strong bases and strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition or burning may release oxides of carbon and other toxic gases or vapours.

11. Toxicological Information

LD ₅₀ Acute oral toxicity (rats):	4500 mg/kg
Eye irritation (rabbits):	Corrosive.
Skin irritation (rabbits):	Irritant.
Skin sensitisation (guinea pigs):	May cause sensitisation by skin contact.

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12. Ecological Information

Prevent contamination of soil, drains or surface water.

LC ₅₀ Zebra fish (96h):	N/A
LC ₅₀ Rainbow trout (96h):	N/A
EC50 Daphnia magna (24h):	N/A
Biodegradability (Sturm test):	N/A
Algae Inhibition Test:	N/A
Sludge toxicity:	N/A

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.

14. Transport Information

RID/ADR:	Free
IMDG-Code:	Free
IATA:	Free
Flashpoint:	152°C DIN 51758

15. Regulatory Information

Symbol:	C
Contains:	Triethylenetetramine
R34:	Causes burns.
R21:	Harmful in contact with skin.
R43:	May cause sensitisation by skin contact.
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
S36/37/39:	Wear suitable clothing, gloves and eye/face protection.

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.

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16. Other Information

Recommendations/restrictions: ***The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.***

Use: ***Used as a hardener with Araldite AV121 resin.***

Sources of key data used to compile Safety Data Sheet: ***Croner's Hazard Information and Packaging, 3/95***

Abbreviations: ***N/E: Not established
N/A: Not available***

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.