

Material Safety Data Sheet

EPOXY PACK 301

Date prepared: 18th March 1999

Date revised: 5th September 2002

0CON-185 PART B

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

Substance or preparation trade name: **Epoxy pack 301**

Unique reference number(s): **0CON-185 (Part B)**

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: **2,2,4-Trimethyl-1, 6 Hexanediamine**

Conc. % w/w: **-**

CAS number: **003236-53-1**

EC No.: **410-880-1**

Hazard Symbols: **Xn, C, N**

Risk Phrases **R-22, 34, 50/53**

3. Hazards Identification

R-22 Harmful if swallowed.

R-34 Causes burns.

R-43 May cause sensitisation by skin contact.

R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First Aid Measures

Inhalation: **Remove patient to fresh air.
Seek medical attention or ill effects will occur.**

Skin contact: **S-27 Take off immediately all contaminated clothing.
S-28 After contact with skin, wash immediately with plenty of soap and water. DO NOT use solvents to clean the skin.**

Eye contact: **S-26 In case contact with eyes, rinse immediately with plenty of water and seek medical advice.**

Ingestion: **Seek immediate medical attention.
May cause gastro-intestinal disturbances.**

5. Fire-Fighting Measures

Suitable extinguishing media: **S-43 In case of fire use foam, carbon dioxide or dry agent.**

Unsuitable extinguishing media: **N/A**

Special exposure hazards in fire: **In case of fire do not breathe fumes.
Keep container(s) exposed to fire cool, by spraying with water.**

Required special protective equipment for fire-fighters: **Wear self contained breathing apparatus and complete personal protective equipment.
Remove all ignition sources.**

6. Accidental Release Measures

Personal precautions: **S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
Shut off all ignition sources. Ventilate area.**

Environmental precautions: **S-61 Avoid release to the environment. Refer to special instructions/safety data sheet.**

Methods for cleaning: **Absorb spillage in inert material and shovel up.**

7. Handling and Storage

Handling: **S-36/37/38 Wear suitable protective clothing, gloves and eye/face protection.
S-20/21 When using do not eat, drink or smoke.
Wash thoroughly after use. Avoid contact with skin and eyes. Ensure adequate ventilation. Eye wash bottles should be made available.**

Storage: **Opened containers should be carefully resealed and stored in an upright position.**

8. Exposure Controls

Take measures to prevent: **Airborne concentrations of the substance.**

Exposure control limits, and source: **N/A**

Respiratory protection: **Wear an NIOSH approved respirator for organic vapours whenever high level exposure to vapours or mist is anticipated.**

Hand protection:	<i>Wear suitable gloves (neoprene are recommended).</i>
Skin protection:	<i>Use a suitable barrier cream to protect skin, apply before contact. Wear suitable protective clothing.</i>
Eye protection:	<i>Wear suitable eye/face protection (safety goggles or face shield).</i>
Hygienic work routines:	<i>DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. No eating or drinking while working with this material. Use appropriate skin cream to prevent drying of skin.</i>

9. Physical and Chemical Properties

Appearance:	<i>Liquid, colourless to yellow</i>
Odour:	<i>Pungent</i>
pH:	<i>N/A</i>
Boiling point:	<i>231 °C (448 °F) AT 760mm Hg, 1013 Mbar</i>
Melting point:	<i>N/A</i>
Flashpoint:	<i>>200 °F (93 °C)</i>
Closed cup / open cup	<i>Closed Cup</i>
Flammability (gas/solid):	<i>N/A</i>
Autoflammability:	<i>N/A</i>
Explosive properties:	<i>N/A</i>
Oxidising properties:	<i>N/A</i>
Vapour density:	<i>Heavier than air</i>
Specific gravity (water = 1):	<i><1</i>
Water solubility:	<i>Low</i>
Other:	<i>Evaporation rate <BUAC</i>

10. Stability and Reactivity

Stability:	<i>Stable.</i>
Conditions to avoid:	<i>Avoid excessive heat.</i>
Materials to avoid:	<i>Strong oxidising agents and strong reducing agents.</i>

Hazardous decomposition products: ***Fumes produced when heated to decomposition by include carbon monoxide, carbon dioxide and oxides of nitrogen.***

11. Toxicological Information

Concise description of toxicological properties follows, including any special health effects of constituents:

Inhalation of solvent vapours may give rise to nausea, headaches and dizziness.

12. Ecological Information

Environmental Hazards: ***LC50 (Fish) 0.5mg/l 48H***
EC10 (Bacteria) 89mg/l 17H
EC50 (Daphnia) 31.5mg/l 24H
EC50 (Algae) 29.5mg/l 72H

13. Disposal Considerations

Disposal methods: ***S-60 This material and its container must be disposed of as hazardous waste.***

14. Transport Information

Label for conveyance:



Special carriage precautions in carriage (on-site or externally):

No special precautions are required for this product.

Proper shipping name:

Trimethylhexamethylenediamines

UN Transport regulations:

UN No. 2327, hazard class 8, packing group III.

15. Regulatory Information

Label for supply:



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Supply label information:	Corrosive
Risk phrases:	R-22 Harmful if swallowed. R-34 Causes burns. R-43 May cause sensitisation by skin contact. R-50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases:	S-23 Do not breathe fumes. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-36/37/39 Wear suitable protective clothing, gloves and eye / face protection. S-45 In case of accident or if you feel unwell seek medical advice immediately (show label where possible). S-60 This material and its container must be disposed of as hazardous waste. S-61 Avoid release to the environment. Refer to special instructions / safety data sheet.
Guidance notes:	Occupational Exposure Limits EH40 Health and Safety at Work Act 1974 CHIP 3 Approved Supply List (Seventh Edition)

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

Recommendations/restrictions:	The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.
Use:	Mounting and impregnation applications including thin rock section bonding.
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.

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Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.