

Material Safety Data Sheet

ETHANE DIOL

Date prepared: 22 March 1999

Date revised: N/A (first issue)

0CON-133

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

Substance or preparation trade name: **Ethane Diol**

Unique reference number(s): **0CON-133**

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: **Organic solvent**

EC -No: **203-473-3**

CAS number: **107-21-1**

3. Hazards Identification

Harmful if swallowed

4. First Aid Measures

Inhalation: **Remove from exposure, rest and keep warm. In severe cases, obtain medical attention.**

Skin contact: **Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, obtain medical attention.**

Eye contact: **Irrigate thoroughly with water for at least 10 minutes. If discomfort persists, seek medical attention.**

Ingestion: **Wash out mouth thoroughly with water and give plenty of water to drink. Obtain medical attention.**

5. Fire-Fighting Measures

| | |
|--|---|
| Suitable extinguishing media: | <i>Water spray, foam, dry powder or carbon dioxide</i> |
| Special exposure hazards in fire: | <i>None established</i> |
| Required special protective equipment for fire-fighters: | <i>N/A</i> |

6. Accidental Release Measures

| | |
|-----------------------|---|
| Personal precautions: | <i>Wear appropriate protective clothing.</i> |
| Methods for cleaning: | <i>If regulations permit, mop up with water and run to waste, diluting greatly with running water. Otherwise absorb on an inert absorbent, transfer to container and arrange removal by disposal company. Ventilate area to dispel residual vapour. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.</i> |

7. Handling and Storage

| | |
|-----------|---|
| Handling: | <i>Usual precautions for flammable liquids should be taken.</i> |
| Storage: | <i>Store at room temp. (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.</i> |

8. Exposure Controls

| | |
|--------------------------------------|--|
| Exposure control limits, and source: | <i>As appropriate to quantity handled UK exposure limits: OES. long-term, mg/m³: 10 - Ethane-1,2-diol, particulate</i> |
| Respiratory protection: | <i>Use self-contained breathing apparatus</i> |
| Hand protection: | <i>Use nitrile gloves</i> |
| Skin protection: | <i>Plastic apron, sleeves, boots - if handling large quantities.</i> |
| Eye protection: | <i>Chemical splash goggles, face shield.</i> |

9. Physical and Chemical Properties

| | |
|--------------------------|---|
| Appearance: | <i>Colourless liquid.</i> |
| Odour: | <i>Almost odourless.</i> |
| Boiling point: | <i>197°C</i> |
| Melting point: | <i>-12°C</i> |
| Density (g/ml): | <i>1.11</i> |
| Flashpoint (°C): | <i>44°C / 118°F</i> |
| Explosion limits, lower: | <i>1.8%</i> |
| Explosion limits, upper: | <i>13%</i> |
| Ignition temperature: | <i>410°C</i> |
| Vapour pressure: | <i>1mm Hg, 54°C</i> |
| - Density: | <i>2.14</i> |
| Solubility in water: | <i>Miscible in all proportions</i> |

10. Stability and Reactivity

| | |
|---------------------|---|
| Stability: | <i>Stable</i> |
| Materials to avoid: | <i>Strong oxidising agents, aluminium, chromyl chloride, alkali hydroxides, perchloric acid.</i> |

11. Toxicological Information

After eye contact: irritant effect, mucosal irritation
After skin contact: irritant effect. Danger of skin absorption
After ingestion: agitation, CNS disorders
Systemic effect: After a latency period: tiredness, ataxia (impaired locomoter coordination), unconsciousness. Damage to: kidneys.

Further data: LD50 4700mg/kg oral, rat.
No evidence of carcinogenic properties. Evidence of reproductive effects

12. Ecological Information

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

13. Disposal Considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice. or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

14. Transport Information

UN-No: IMDG class: NR
IMO: NR Packaging group
IATA: NR Packaging group
Correct technical name: NOT RESTRICTED
ADR/RID: NIR

15. Regulatory Information

Labelling: **According to EC directives**
Symbol: **Xn - Harmful**
R-phrases: **R22**
Harmful if swallowed
S-phrases: **S2**
Keep out of reach of children
EC-No: **203-473-3**

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: **For use with silicon carbide and aluminium oxide powders when processing water soluble materials.**
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.