



SAFETY DATA SHEET

Date of issue: 02/11/06

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No: SDS593

ID No.: SDS593

Product name: **Neo-Ice®**

Use of the substance/preparation: Coolant solution

Manufacturer/supplier identification

Company: Euco Technology Co. Ltd,
15/7, 77 Sher-Zung Bei-E Road, Taichung, 407, Taiwan
Telephone: +886 (0) 4 2359 8867

Emergency telephone No.: +886 (0) 919 652 411

2. Composition/information on ingredients

Chemical characterization

Solution in water

CAS number: Not applicable (Mixture)

EC-No.: Not applicable

Hazardous ingredients:

Ethanol	<24%	
CAS number:	64-17-5	EC-No.: 200-578-6
Symbol(s):	F	
R-phrases:	R11	
S-phrases:	S7-16	

Methanol	0.1-1%	EC-No.: 200-659-6
CAS number:	67-56-1	
Symbol(s):	F T	
R-phrases:	R11-23/24/25-39/23/24/25	
S-phrases:	S7-16-36/37-45	

3. Hazards identification

Not classified as dangerous according to EC Directives.

4. First-aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- 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. Unless contact has been slight, OBTAIN MEDICAL ATTENTION.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.



5. Fire-fighting measures

Special risks:

Flammable but does not support combustion.
May evolve toxic fumes in fire.

Do not stay in dangerous zone without respiratory protective equipment.

Suitable extinguishing media:

Water spray, foam, dry powder or carbon dioxide

6. Accidental release measures

Wear appropriate protective clothing.

Small spillages (<500ml): Absorb on an inert absorbent, (e.g. earth, sand or spillage absorption granules), transfer to a suitable container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

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.

7. Handling and storage

Handling:

Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

8. Exposure controls/personal protection

UK Exposure limits

WEL – Ethanol:

Long term : 1920 mg/m³ (1000 ppm)

WEL – Methanol:

Long term : 266 mg/m³ (200 ppm) Short term : 333 mg/m³ (250 ppm) (Sk, ILV)

Personal protective equipment:

As appropriate to the situation and the quantity handled.

- Respirator: Self-contained breathing apparatus when large quantities of vapours are generated.
- Ventilation: Extraction hood when large quantities of vapours are generated.
- Gloves: Nitrile.
- Eye Protection: Goggles or face-shield
- Other Precautions: Protective overalls - if handling large quantities



9. Physical and chemical properties

General information:

Form: liquid
Colour: clear / pale blue
Odour: alcoholic

Health, safety and environmental information:

Boiling temperature ~100°C
Density(g/ml) ~0.97
Vapour pressure 59 hPa (20°C, Ethanol)
Solubility in water Miscible in all proportions
pH value 6-8 (20°C)
Flash point 33°C
Explosion limits: lower: 3.3% (Ethanol)
upper: 19% (Ethanol)
Auto-ignition temperature 425°C (Ethanol)

10. Stability and reactivity

Stable.

Substances to be avoided: strong oxidizing agents.
The possibility of reaction with other substances cannot be excluded.

11. Toxicological information

- After inhalation: No hazard expected after contact with small quantities.
- After eye contact: Local irritation symptoms, discolouration.
- After skin contact: Discolouration.
- After ingestion: Rapid absorption.
- After absorption: Euphoria. After a latency period: dizziness, inebriation, paralysis, cyanosis, narcosis, respiratory paralysis.

Further data

No data

12. Ecological information

Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

13. Disposal considerations

Chemical residues are generally classified as hazardous or 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.

14. Transport information

Not subject to transport regulations.



15. Regulatory information

Labelling according to EC directives

Not classified as dangerous according to EC Directives.

Additional statement to be shown on labels: Safety data sheet available for professional user on request.

EC-No.: Not applicable

Local Regulations

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

Within the UK, the use of this material must be assessed under the Dangerous Substances and Explosive Atmospheres (DSEAR) regulations.

16. Other information

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Text of R phrases listed in section 2

R11: 27/08/09

R23/24/25: 27/08/09

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.