



HEALTH AND SAFETY DATA SHEETS

1. PRODUCT IDENTIFICATION

Cooltrans Plus CTP

SUPPLIED BY

Kilfrost Limited
Albion Works
HALTWHISTLE
Northumberland
NE49 0HJ
ENGLAND

DESCRIPTION

Heat Transfer Fluid

EMERGENCY NUMBERS

Telephone:
Working Hours: (01434) 320332
Other Times: 07760627598
FAX: (01434) 321463
e-mail: info@kilfrost.com

2. HAZARD IDENTIFICATION

**Classification under CHIP:
Classification under CLP (GHS)**

**Not Classified
Not Classified**

2.1	Skin	There may be mild irritation.
2.2	Eyes	There may be irritation and redness.
2.3	Ingestion	There may be irritation of the throat.
2.4	Inhalation	No symptoms
2.5	Occupational Exposure Limits	An exposure limit has been set for Monopropylene Glycol (synonym Propane-1,2-diol). This applies in the UK only.
	UK (EH 40) WEL	
	Total (vapour & particulates) Particulates	150 ppm (470 mg/m ³) (8hr TWA) - ppm (10 mg/m ³) (8hr TWA)
	ACGIH TLV – TWA	No limit assigned.
	FRANCE VME	No limit assigned.
	GERMANY MAK	No limit assigned.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Aqueous monopropylene glycol mixture.

HEALTH and SAFETY DATA

- 3.2 Contains a minimum of 75% monopropylene glycol
CAS no. 57-55-6 EINECS no. 200-338-0
- 3.3 Hazardous Ingredients:
Disodium Tetraborate Pentahydrate >0.5%
CAS NO. 12179-04-3 EINECS no. 215-540-4
- CHIP Classification: Repr. Cat 2; R60, R61. Xi; R36
CLP Classification: Eye Irrit.2 – H319; Repr.1B – H360FD
-

4. FIRST AID MEASURES

- 4.1 Skin contact Wash off in flowing water. Launder contaminated clothing before re-use.
- 4.2 Eye contact Irrigate with water for 5 minutes. Obtain medical assistance if irritation persists
- 4.3 Ingestion Give large quantities of water to drink. Consult medical personnel.
- 4.4 Inhalation Remove to fresh air if feeling unwell. Consult medical personnel if symptoms persist.
-

5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media Water, foam, Carbon Dioxide, dry powder.
- 5.2 Unusual fire hazards The product may become combustible after prolonged heating at the boiling point.
- 5.3 Advice for fire fighters Wear self contained breathing apparatus, wear protective clothing to prevent contact with the skin and eyes.
- 5.4 Hazardous decomp. products Incomplete combustion may produce Carbon Monoxide and other harmful gases/vapours.
- 5.5 Auto ignition temperature 446°C.
- 5.6 Flash point (closed cup) Not below 100°C
-

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Contain spillage and absorb on suitable material e.g. sawdust, sand or earth. Transfer to a container for disposal. See section 13.

HEALTH and SAFETY DATA

6.2 Wash the spillage area with plenty of water.

7. HANDLING AND STORAGE

- 7.1 Avoid contact with skin and eyes. Avoid breathing mists/vapours when spraying.
- 7.2 Store in tightly sealed original containers, away from direct heat and strong oxidising agents.
- 7.3 Do not use uncoated mild steel tanks. For advice on bulk and/or heated storage contact Kilfrost.
-

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Maintain sufficient ventilation to comply with 'Workplace Exposure Limit'.
- 8.2 Wear eye protection if splashing is possible. An eye wash bottle should be available.
- 8.3 Gloves and protective overalls recommended if prolonged contact is likely.
-

9. PHYSICAL AND CHEMICAL PROPERTIES

Typical Values

9.1	Appearance	Clear blue liquid
9.2	Odour	slight
9.3	pH (20°C)	8.5
9.4	Boiling point	122°C
9.5	Flammability data	See 5.1 – 5.3
9.6	Vapour pressure (20°C)	no data
9.7	Specific gravity (20°C)	1.05 g/cm ³
9.8	Vapour density (air = 1)	no data
9.9	Freezing point	-27°C
9.10	Dynamic Viscosity (20°)	49mPa.S
9.11	Specific heat	2.2kJ/kg K
9.12	Solubility in water	Completely miscible

10. STABILITY AND REACTIVITY

- 10.1 Stable under normal storage conditions.
- 10.2 Incompatible Materials – strong oxidising agents.

HEALTH and SAFETY DATA

11. TOXICOLOGICAL INFORMATION

- 11.1 Considered to have low oral toxicity. See also section 2.
11.2 LD₅₀ (rat – oral) >2000 mg/Kg (estimated)
-

12. ECOLOGICAL INFORMATION (Estimated data based on similar product)

- 12.1 EC₅₀ (Daphnia) 750mg/l
12.4 Water Danger Class (WGK) 1
-

13. DISPOSAL CONSIDERATION

- 13.1 Dispose of packing through controlled incineration or landfill in accordance with local, state or national regulations. Transfer any waste material to suitable containers and arrange removal by a specialist company.
-

14. TRANSPORT INFORMATION

- 14.1 Not restricted under any transport regulations.
-

15. REGULATORY INFORMATION

- 15.1 Not classified as hazardous under any regulations.
-

16. OTHER INFORMATION

- 16.1 All components are registered in accordance with EINECS AND TSCA.
16.2 All components are preregistered in accordance with REACH
16.3 Changes since last revision (28th December 2011)
Section 3 – Composition Information
-

**The information contained herein is based on the present state of our knowledge.
No responsibility is accepted that the information is sufficient or correct in all cases.**

**Date: 12th March 2012
Revision No: 1**

Kilfrost Limited. Registered in England No. 297731.
Registered office: Time Central, 32 Gallowgate, Newcastle-upon-Tyne NE1 4SN