



HOLCHEM

SAFETY DATA SHEET

CHILL SHIELD

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	CHILL SHIELD
PRODUCT NO.	HLC13
SUPPLIER	Holchem Laboratories Limited Premier House 175 Grane Road, Haslingden Rossendale. Lancashire. BB4 5ER 01706 222288 01706 221550
EMERGENCY TELEPHONE	Medical Emergencies Only: NPIS Tel. 0207 635 9191 Fax. 0207 635 1053 Holchem (Office Hours): Tel. 01706 222288 Fax. 01706 221550 Holchem (Outside Office Hours): Tel. 07050 265597

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ETHANOL	200-578-6	64-17-5	10-30%	F;R11
METHANOL	200-659-6	67-56-1	< 1%	F;R11 T;R23/24/25,R39/23/24/25
NON IONIC SURFACTANT (5)			60-100%	Xn;R22. Xi;R36/38. N;R50.
POLYMERIC BIGUANIDE HYDROCHLORIDE		27083-27-8	10-30%	Xi;R38. R43.

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Flammable. Harmful if swallowed. May cause sensitisation by skin contact. Irritating to eyes and skin. Very toxic to aquatic organisms.

CLASSIFICATION Xn;R22. Xi;R36/38. R43. N;R50. R10.

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Get medical attention.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.

SKIN CONTACT

Immediately remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

DO NOT use water if avoidable. Water spray, fog or mist. Alcohol resistant foam. Carbon dioxide (CO2).

SPECIAL FIRE FIGHTING PROCEDURES

Use air respirator if substance is involved in a fire.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

CHILL SHIELD

SPECIFIC HAZARDS

Oxides of: Carbon.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Should be prevented from entering drains. Absorb in vermiculite, dry sand or earth and place into containers. Inform Authorities if large amounts are involved. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Avoid inhalation of vapours. Wear full protective clothing for prolonged exposure and/or high concentrations. Container must be kept tightly closed.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Keep away from heat, sparks and open flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)
ETHANOL	WEL	1000 ppm	1920 mg/m3		

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

Rubber, neoprene or PVC.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear	RELATIVE DENSITY	0.98 @ 20 °c
COLOUR	Colourless	FLASH POINT (°C)	33 CC (Closed cup).
ODOUR	Odour of alcohol		
SOLUBILITY	Slightly soluble in water.		
MELTING POINT (°C)	~ 0		
pH-VALUE, DILUTED SOLUTION	6.0 @ 1% %		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

CHILL SHIELD

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Carbon.

11 TOXICOLOGICAL INFORMATION

INHALATION

May cause irritation to the respiratory system.

INGESTION

Harmful if swallowed. May cause burns in mucous membranes, throat, oesophagus and stomach.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Irritating to eyes. Risk of serious damage to eyes.

12 ECOLOGICAL INFORMATION

DEGRADABILITY

The surfactant(s) used in this preparation complies (comply) with the biodegradability criteria as laid down in the European Detergents Regulation No 648/2004.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	3		
PROPER SHIPPING NAME	ALCOHOLS, N.O.S. (ETHANOL, METHANOL)		
UN NO. ROAD	1987	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD No. (ADR)	30
ADR LABEL NO.	3	HAZCHEM CODE	3Y
CEFIC TEC(R) NO.	30GF1-III	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1987
IMDG CLASS	3	IMDG PACK GR.	III
EMS	3-06	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	1987
ICAO CLASS	3	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CHILL SHIELD

CONTAINS

NON IONIC SURFACTANT (5)
POLYMERIC BIGUANIDE HYDROCHLORIDE

RISK PHRASES

R10 Flammable.
R22 Harmful if swallowed.
R43 May cause sensitisation by skin contact.
R36/38 Irritating to eyes and skin.
R50 Very toxic to aquatic organisms.

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 Wear suitable gloves.
S51 Use only in well-ventilated areas.
S24/25 Avoid contact with skin and eyes.
S57 Use appropriate container to avoid environmental contamination.
S59 Refer to manufacturer/supplier for information on recovery/recycling.
S60 This material and its container must be disposed of as hazardous waste.

DETERGENT LABELLING

> 30% Non-ionic surfactants
5-15% Disinfectants

16 OTHER INFORMATION

REVISION DATE

10th October 2005

RISK PHRASES IN FULL

R11 Highly flammable.
R22 Harmful if swallowed.
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R43 May cause sensitisation by skin contact.
R50 Very toxic to aquatic organisms.