

SAFETY DATA SHEET (SDS)



POLYGARD UNIVERSAL ANTIFREEZE & SUMMER COOLANT (BS6580)

DATE ISSUED July 2005

VERSION 02

1. Identification of the Preparation and Company

Preparation trade name
POLYGARD UNIVERSAL ANTIFREEZE & SUMMER COOLANT
Company/undertaking name, address, and normal telephone number:

MISWA CHEMICALS LTD Tel: 01604 701111
CASWELL ROAD Fax: 01604 701120
BRACKMILLS INDUSTRIAL ESTATE
NORTHAMPTON
ENGLAND NN4 7PW

2. Composition/Information on Ingredients

	%	EINECS	SYMBOL	RISK
MONOETHYLENE GLYCOL	>90	203-473-3	Xn	R22
CORROSION INHIBITOR SYSTEM	< 2%	MIXTURE		

3. Hazards Identification

HARMFUL IF SWALLOWED

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SUMMER COOLANT**

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4. First Aid Measures

Summary of first aid is as follows:

Inhalation: MOVE PATIENT TO FRESH AIR. IF PROBLEMS WITH BREATHING SEEK MEDICAL ATTENTION

Skin contact: WASH WITH SOAP AND WATER

Eye contact: FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES. IF IRRITATION CONTINUES SEEK MEDICAL ATTENTION

Ingestion: FOR MINOR AMOUNTS GIVE PLENTY OF WATER OR MILK TO DRINK. **DO NOT INDUCE VOMITING.** FOR LARGER AMOUNTS SEEK MEDICAL ATTENTION

5. Fire-Fighting Measures

Suitable extinguishing media: ALCOHOL RESISTANT FOAM, WATER SPRAY OR FOG

Unsuitable extinguishing media: WATER JET

Special exposure hazards in fire: FLAMMABLE PRODUCT

Required special protective equipment for the fire fighters: SELF CONTAINED BREATHING APPARATUS

6. Accidental Release Measures

Personal precautions: AVOID BREATHING VAPOURS, NO SMOKING, AVOID CONTACT WITH SKIN. AVOID SPARKS

Methods for cleaning: WASH WITH LARGE QUANTITIES OF WATER RETAIN WASHINGS AS CONTAMINATED WASTE

7. Handling and Storage

Handling: KEEP AWAY FROM ALL SOURCES OF IGNITION

Storage: KEEP IN A COOL DRY, WELL-VENTILATED PLACE

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8. Exposure Controls

Respiratory protection: GOOD NATURAL VENTILATION

Hand protection: GLOVES

Eye protection: SAFETY GLASSES



9. Physical and Chemical Properties

Appearance: BLUE LIQUID

pH: N/A

Boiling point: c170°C

Relative density: 1.125 @ 25°C

Solubility (water and oil): TOTALLY SOLUBLE IN WATER

10. Stability and Reactivity

Stable at normal temperatures. Do not expose to temperatures exceeding 50°C

Reacts violently with oxidising agents. Decomposes at elevated temperatures to give carbon monoxide and/or carbon dioxide.

11. Toxicological Information

LD 50 (Oral rat): 6.0g/kg (ethylene glycol)

12. Ecological Information

Very low toxicity to fish. Readily biodegrades.

13. Disposal Considerations

Wear appropriate protective clothing. Dispose of according to Local Regulations

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14. Transport Information

Not classified in ADR/RID, ADNR or IMDG



15. Regulatory Information

Supply label information:



CONTAINS MONOETHYLENE GLYCOL

HARMFUL

HARMFUL IF SWALLOWED

KEEP OUT OF REACH OF CHILDREN
IF SWALLOWED SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS
CONTAINER OR LABEL.

Applicable EU provisions and associated UK legislation:

CHIP

NOTE: THIS DATA SHEET DOES NOT CONSTITUTE A USERS ASSESSMENT
OF WORKPLACE RISK AS REQUIRED BY HSW ACT, COSHH, MANAGEMENT
OF HEALTH AND SAFETY AT WORK REGULATIONS OR ANY OTHER
HEALTH AND SAFETY LEGISLATION.

16. Other Information

Recommended uses and restrictions:

USE ONLY AS AN ANTIFREEZE

Sources of key data used to compile Safety Data Sheet:

CHIP ASL

SUPPLIERS SAFETY DATA SHEETS

Other: Meaning of R Phrases in Section 2: R22 – Harmful if swallowed

The data contained in this Safety Data Sheet has been supplied as required by
the **Chemicals (Hazard Identification and Packaging for Supply) Regulations**,
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
supplied.

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

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SUMMER COOLANT**