



**COSHH ASSESSMENT & HAZARD SUMMARY SHEET**

Substance / Trade Name:

**Universal Anti-Freeze**



**Supplier:** Various

Toxic Ingredients	*LTEL	*STEL	**COMMENTS
Mono Ethylene Glycol	52mg/m3	104mg/m3	WEL

**Description of Substance:** Blue liquid oil like in viscosity

**Hazards:** Harmful if swallowed. Irritant to eyes, nose or throat if vapour is inhaled.

**PPE**

			
Gloves (Impervious)	Goggles		

**First Aid**

Skin	Remove any contaminated clothing and wash affected areas thoroughly with soap and water. If irritation persists obtain medical attention.
Eyes	Flush eye with copious amounts of water until irritation subsides. If irritation persists obtain medical advice.
Inhalation	If mists, fumes or vapours should cause irritation to nose or throat, remove to fresh air. If symptoms persist obtain medical attention.
Ingestion	If swallowed, administer half a pint of milk or water and seek medical attention. <b>DO NOT INDUCE VOMITING</b> due to risk of aspiration into the lungs.

**Storage Conditions:** Store away from sources of ignition. Ensure the area is clean and the container is securely sealed.

**\*LTEL:** Long-term Exposure Limit – 8-hour weighted average (TWA) ref period

**\*STEL:** Short-term Exposure Limit – 15-min ref period

**\*\*WEL:** Workplace Exposure Limit

**OES:** Occupational Exposure Standard

**TID:** Total Inhalable Dust

**RP:** Respirable Dust



**Substance / Trade Name:** Universal Anti-Freeze

**Activity / Conditions of Use:** Antifreeze is poured by a mechanic or fitter into plant/vehicles that have a water cooled engine. The product is concentrated as it is added to the water already in the cooling system

**Quantities used:** Supplied in Litre containers. Variable quantities depending on level of frost protection required.

**Assessment of risk:** Due to the short exposure time during normal conditions the risk is minimal if PPE requirements are met.

Prolonged exposure to skin can cause dermatitis and it is possible for substance to be absorbed through skin if exposure is excessive. May cause nausea, vomiting and diarrhoea. Harmful/fatal if swallowed. Vapour can cause irritation to eyes nose and throat. Excessive exposure to fumes can cause unconsciousness.

**Recommended control measures:** Wear eye protection where there is a risk of splashing, imperviable gloves should be worn when there is a risk of skin contact. Change of clothes is required if spillages occur.

**Spillage Management:** Prevent entry to sewers, drains and watercourses. Contain and recover spilt liquid using spill kit or absorbent materials. Dispose of waste material in compliance with EA and waste disposal regulations.

**Disposal:** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

This Risk Assessment applies only to this substance when encountered or used in the activity and / or conditions described above. If there is a change in the activity or conditions in which the substance is encountered or used, a new assessment must be made.

**Print name:**

**Signed:**

**Date:**

