



# SAFETY DATA SHEET

## Waste MEG/Water Mix (R22)

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

**PRODUCT NAME:** Waste MEG/Water Mix (R22)

**SUPPLIER:** Champion Servo  
Minto Avenue  
Altens Industrial Estate  
Aberdeen, AB12 3JZ  
Tel: 00 44 1224 879022  
Fax: 00 44 1224 876022

**EMERGENCY TELEPHONES:** [24Hr] 00 44 (0)1224 879022  
OUT OF OFFICE HOURS ASK FOR HEALTH AND SAFETY

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME	EINECS Nr.:	CLASSIFICATION	CONTENT
CAS No.: ETHANEDIOL 107-21-1	203-473-3	Xn R-22	50-100 %
WATER	-	-	0-50 %

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

**COMPOSITION COMMENTS:** A mixture of MEG and water used in cooling and hydraulic systems or pipelines which is contaminated with trace amounts of hydrocarbons and may be coloured with fluorescein dye.

### 3. HAZARDS IDENTIFICATION:

Harmful if swallowed.

### 4. FIRST AID MEASURES:

**GENERAL:** First Aid treatments follow the principles of UK HSE "First Aid at Work" training

**SPECIFIC FIRST AID TREATMENT:** If a large amount has been swallowed get to medical help within 1 hour. 100mls of glycol can be a lethal dose.

<b>INHALATION:</b>	Remove the casualty to fresh air in case of accidental inhalation of vapours. Consult a physician after significant exposure or if symptoms persist. For breathing difficulties oxygen may be necessary. Perform artificial respiration if breathing has stopped. Keep the affected person warm and at rest. Get prompt medical attention.
<b>INGESTION:</b>	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Give water or milk, preferably with active carbon. DO NOT induce vomiting. Get medical attention immediately.
<b>SKIN:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Contact physician if irritation continues.
<b>EYES:</b>	Make sure to remove any contact lenses from the eyes before rinsing. 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:

<b>EXTINGUISHING MEDIA:</b>	Use: Water. Water spray, fog or mist. Inert gas. Foam. Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	Avoid water in straight hose stream; will scatter and spread fire. Cool containers exposed to flames with water until well after the fire is out.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Will give off dense black smoke in a fire
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Carbon dioxide (CO2).
<b>PROTECTIVE MEASURES IN FIRE:</b>	Wear self contained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES:

<b>PERSONAL PRECAUTION IN SPILL:</b>	Ensure adequate ventilation. Wear personal protective equipment.
<b>PRECAUTIONS TO PROTECT ENVIRONMENT:</b>	Do not let product enter drains or water courses. Do not flush undiluted product into surface water or sanitary sewer systems.
<b>SPILL CLEANUP METHODS:</b>	Absorb with inert, damp, noncombustible material, then flush area with water. Shovel into suitable container for subsequent disposal (see section 13). Flush area with water.

## 7. HANDLING AND STORAGE:

<b>USAGE PRECAUTIONS:</b>	Keep away from heat, sparks and open flame. Use mechanical ventilation in case of handling which causes formation of vapours.
<b>USAGE DESCRIPTION:</b>	Antifreeze properties. Gas dehydration
<b>STORAGE PRECAUTIONS:</b>	Keep in cool, dry, ventilated storage and closed containers. Keep away from heat, sparks and open flame. Store isolated from oxidizing materials.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
WATER			No std.	No std.
ETHANEDIOL	107-21-1	OES	52 mg/m3(Sk)	104 mg/m3(Sk)

**INGREDIENT COMMENTS:** OES = Occupational Exposure Standard.

**PROTECTIVE EQUIPMENT:**



**VENTILATION:** Provide sufficient ventilation during operations which cause vapour formation.

**RESPIRATORS:** Wear mask supplied with: Gas cartridge (organic substances).

**PROTECTIVE GLOVES:** Use full length gloves. Butyl rubber. Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

**EYE PROTECTION:** Use approved safety goggles or face shield.

**OTHER PROTECTION:** Wear suitable protective clothing as protection against splashing or contamination.

**HYGIENIC WORK PRACTICES:** Change work clothing daily if contamination is reasonably probable. DO NOT SMOKE IN WORK AREA! Isolate contaminated clothing and wash before reuse. Use appropriate skin cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE:** Liquid.

**COLOUR:** Colourless. Clear. to Green yellow.

**ODOUR/TASTE:** Odourless or no characteristic odour.

**DENSITY/SPECIFIC GRAVITY (g/ml):** 1.0 - 1.15                      **Temperature (°C):** 20

**pH-VALUE, CONC. SOLUTION:** 5.0-8.0

**SOLUBILITY DESCRIPTION:** Miscible with water.

**FLASH POINT (°C):** > 116                      **Method:**

## 10. STABILITY AND REACTIVITY:

**STABILITY:** Normally stable. No particular stability concerns.

**CONDITIONS TO AVOID:** Avoid heat, flames and other sources of ignition.

**HAZARDOUS POLYMERIZATION:** Will not polymerize.

**MATERIALS TO AVOID:** Strong acids. Strong oxidizing agents.

**HAZARDOUS DECOMP. PRODUCTS:** No specific hazardous decomposition products noted.

## 11. TOXICOLOGICAL INFORMATION:

<b>INHALATION:</b>	Vapours may cause headache, nausea, irritation of nose, throat and lungs.
<b>INGESTION:</b>	Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea
<b>SKIN:</b>	Prolonged or repeated contact may cause mild irritation although the product was practically non-irritant following repeated applications to rabbit skin.
<b>EYES:</b>	May cause slight or mild irritation
<b>HEALTH WARNINGS:</b>	Approx 100mls is expected to constitute a lethal dose in man.

## 12. ECOLOGICAL INFORMATION:

<b>Ecotoxicological data</b>	No data available
<b>ECOLOGICAL INFORMATION:</b>	Not regarded as dangerous for the environment.
<b>BIO ACCUMULATION:</b>	None
<b>DEGRADABILITY:</b>	Biodegradable

## 13. DISPOSAL CONSIDERATIONS:

<b>GENERAL/CLEANING:</b>	Empty containers should be taken for local recycling, recovery or waste disposal
<b>DISPOSAL METHODS:</b>	Dispose of in accordance with Local Authority requirements. Dispose of as Special Waste in compliance with local and national regulations. Offer surplus and non-recyclable solutions to a licenced disposal company.

## 14. TRANSPORT INFORMATION:

<b>GENERAL:</b>	Not classified under UN Transport Regulations for any mode of transport
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## 15. REGULATORY INFORMATION:

**LABEL FOR SUPPLY:**



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<b>RISK PHRASES:</b>	R-22 Harmful if swallowed.
<b>SAFETY PHRASES:</b>	S-60 This material and its container must be disposed of as hazardous waste.
<b>UK REGULATORY REFERENCES:</b>	Approved Supply List.
<b>STATUTORY INSTRUMENTS:</b>	Chemicals (Hazard Information and Packaging) Regulations.
<b>APPROVED CODE OF PRACTICE:</b>	Safety Data Sheets for Substances and Preparations L62.
<b>GUIDANCE NOTES:</b>	Approved guide to the classification and labelling of substances and preparations dangerous for supply.

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## 16. OTHER INFORMATION:

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<b>REVISION COMMENTS:</b>	General revision.
<b>REVISION DATE:</b>	27/09/02
<b>REV. No./REPL. SDS GENERATED:</b>	23/04/99
<b>DATE:</b>	27/09/02
<b>SIGNATURE:</b>	T. Howe
<b>DISCLAIMER:</b>	The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.
<b>PRINTING DATE:</b>	2002-09-30
<b>R-PHRASES (Full Text):</b>	R-22 Harmful if swallowed.