



**SAFETY DATA SHEET**  
**XL Coolant**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

Product name                      XL Coolant  
Product No.                        7898-000  
Internal Id                         11064

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses                      Antifreeze liquid.

**1.3. Details of the supplier of the safety data sheet**

Supplier                              Morris Lubricants  
    Castle Foregate  
    Shrewsbury  
    SY1 2EL  
    08.45 - 17.00 GMT  
    T: (+44)(0)1743 232200  
    F: (+44)(0)1743 353584  
    sds@morris-lubricants.co.uk

**1.4. Emergency telephone number**

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

Classification (1999/45/EEC)      Xn;R22.

**2.2. Label elements**

Contains                              ETHANEDIOL  
Labelling



Harmful

Risk Phrases

R22                                      Harmful if swallowed.

Safety Phrases

S13                                      Keep away from food, drink and animal feeding stuffs.  
S46                                      If swallowed, seek medical advice immediately and show this container or label.  
S56                                      Dispose of this material and its container to hazardous or special waste collection point.

**2.3. Other hazards**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

## XL Coolant

2-Ethylhexanoic acid, Sodium salt		1-5%
CAS-No.: 19766-89-3	EC No.: 243-283-8	
Classification (EC 1272/2008) Repr. 2 - H361d	Classification (67/548/EEC) Repr. Cat. 3;R63.	
ETHANEDIOL		60-100%
CAS-No.: 107-21-1	EC No.: 203-473-3	
Classification (EC 1272/2008) Acute Tox. 4 - H302	Classification (67/548/EEC) Xn;R22	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: FIRST AID MEASURES

#### **4.1. Description of first aid measures**

##### General information

Get medical attention if any discomfort continues.

##### Inhalation

Remove victim immediately from source of exposure. Place unconscious person on the side in the recovery position and ensure breathing can take place. Get medical attention.

##### Ingestion

Do not induce vomiting. When risk of unconsciousness, place and transport the victim in secured side position. Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions. Get medical attention immediately!

##### Skin contact

Remove contaminated clothing immediately and wash skin 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. Get medical attention promptly if symptoms occur after washing.

#### **4.2. Most important symptoms and effects, both acute and delayed**

#### **4.3. Indication of any immediate medical attention and special treatment needed**

### SECTION 5: FIREFIGHTING MEASURES

#### **5.1. Extinguishing media**

##### Extinguishing media

Stop flow of material to fire. Fire can be extinguished using: Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

#### **5.2. Special hazards arising from the substance or mixture**

##### Unusual Fire & Explosion Hazards

Heat from fire could result in drums bursting

##### Specific hazards

When heated and in case of fire, harmful vapours/gases may be formed.

#### **5.3. Advice for firefighters**

##### Special Fire Fighting Procedures

Avoid breathing fire vapours. Use water to keep fire exposed containers cool and disperse vapours. Keep run-off water out of sewers and water sources. Dike for water control.

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Protective equipment for fire-fighters

Use air-supplied respirator, gloves and protective goggles.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8. In case of spills, beware of slippery floors and surfaces.

### 6.2. Environmental precautions

Prevent entry into drains.

### 6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

### 6.4. Reference to other sections

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry and cool place. Do not store near heat sources or expose to high temperatures.

Storage Class

Chemical storage.

### 7.3. Specific end use(s)

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANEDIOL	WEL	20 ppm	52 mg/m <sup>3</sup>	40 ppm	104 mg/m <sup>3</sup>	

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

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Eye protection

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

Other Protection

Use barrier creams to prevent skin contact.

Hygiene measures

Wash promptly with soap & water if skin becomes contaminated. When using do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid Hygroscopic Viscous
Odour	Odourless.
Solubility	Miscible with water Miscible with: Acetone Alcohol
Initial boiling point and boiling range (°C)	>160 760 mm Hg
Melting point (°C)	<-15
Relative density	1.13 20
Vapour density (air=1)	2.14
Vapour pressure	0.05 kPa 20
Viscosity	21 cP 20
Flash point (°C)	>100 PM Closed cup.
Auto Ignition Temperature (°C)	>200
Flammability Limit - Lower(%)	3.2

### 9.2. Other information

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Water, moisture.

### 10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong acids. Flammable/combustible material.

### 10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxic Dose 1 - LD 50

>2000 mg/kg (oral rat)

Inhalation

Irritating to respiratory system.

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## Ingestion

Harmful if swallowed.

## Skin contact

Irritating to skin.

## Eye contact

May cause temporary eye irritation.

## Health Warnings

May cause liver and/or renal damage.

## Target Organs

Liver Kidneys

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Not regarded as dangerous for the environment.

### **12.1. Toxicity**

#### Acute Fish Toxicity

Not considered toxic to fish.

LC 50, 96 Hrs, Fish mg/l >100

EC 50, 48 Hrs, Daphnia, mg/l >100

IC 50, 72 Hrs, Algae, mg/l >100

### **12.2. Persistence and degradability**

#### Degradability

The product is expected to be biodegradable.

### **12.3. Bioaccumulative potential**

#### Bioaccumulative potential

The product is not bioaccumulating.

### **12.4. Mobility in soil**

#### Mobility:

The product is water soluble and may spread in water systems.

### **12.5. Results of PBT and vPvB assessment**

### **12.6. Other adverse effects**

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### **13.1. Waste treatment methods**

Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
Road Transport Notes	Not Classified
Rail Transport Notes	Not classified.
Air Transport Notes	Not classified.

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## 14.1. UN number

## 14.2. UN proper shipping name

## 14.3. Transport hazard class(es)

## 14.4. Packing group

## 14.5. Environmental hazards

## 14.6. Special precautions for user

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

### SECTION 15: REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Uk Regulatory References

Health and Safety at Work Act 1974.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Preparations Directive 1999/45/EC. Dangerous Substance Directive 67/548/EEC.

#### 15.2. Chemical Safety Assessment

### SECTION 16: OTHER INFORMATION

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 15/11/2012

Revision 2

Supersedes date 21/12/2009

Risk Phrases In Full

R22 Harmful if swallowed.

R63 Possible risk of harm to the unborn child.

Hazard Statements In Full

H302 Harmful if swallowed.

H361d Suspected of damaging the unborn child.

#### Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.