

## **EXTENDED LIFE COOLANT**

### MATERIAL SAFETY DATA SHEET

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

##### **1.1. Product identifier**

Product form:	Mixtures
Trade name:	Extended Life Coolant
Product code:	360
Type of product:	Antifreeze
Product group:	Blend

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

###### **1.2.1. Relevant identified uses**

Main use category: Professional use, Consumer use

###### **1.2.2. Uses advised against**

No additional information available

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

Fast Racing Fuels  
20 Brand Road, Brand Park, Unit 6, Westmead, Durban, South Africa, 3610  
T +27 (67) 777 2000  
info@fastracingfuels.co.za - www.fastracingfuels.co.za

##### **1.4. Emergency number: +27 (67 ) 777 2000**

#### **SECTION 2: HAZARDS IDENTIFICATION**

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

Acute toxicity (oral), Category 4	H302
Specific target organ toxicity — Repeated exposure, Category 2	H373
Full text of H statements : see section 16	

Adverse physicochemical, human health and environmental effects

No additional information available.

## 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):



Signal word (CLP):

Hazardous ingredients:

Hazard statements (CLP) :

Precautionary statements (CLP):

Warning

ethanediol, ethylene glycol

H302 - Harmful if swallowed

H373 - May cause damage to organs through prolonged or repeated exposure

P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children

P260 - Do not breathe dusts or mists

P264 - Wash hands thoroughly after handling

P301+P312 - IF SWALLOWED: Call a doctor if you feel unwell

P314 - Get medical advice/attention if you feel unwell

P501 - Dispose of contents/container to a hazardous or special waste collection point

## 2.3. Other hazards

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanediol, ethylene glycol	(CAS No) 107-21-1 (EC No) 203-473-3 (EC Index No) 603-027-00-1 (REACH-no) 01-2119456816-28	25 - 50	Acute Tox. 4 (Oral), H302 STOT RE 2, H373

Full text of H-statements: see section 16

#### **SECTION 4: FIRST AID MEASURES**

First-aid measures general:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation:	Assure fresh air breathing. Allow the victim to rest.
First-aid measures after skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER or doctor/physician if you feel unwell.

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

Symptoms/injuries:	Causes damage to organs.
Symptoms/injuries after ingestion:	Swallowing a small quantity of this material will result in serious health hazard.

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

No additional information available.

#### **SECTION 5: FIRE-FIGHTING MEASURES**

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

Suitable extinguishing media:	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media:	Do not use a heavy water stream.

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

No additional information available.

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

Firefighting instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting:	Do not enter fire area without proper protective equipment, including respiratory protection.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

#### **6.1.1. For non-emergency personnel**

Emergency procedures: Evacuate unnecessary personnel.

#### **6.1.2. For emergency responders**

Protective equipment: Equip cleanup crew with proper protection.  
Emergency procedures: Ventilate area.

### **6.2. Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### **6.4. Reference to other sections**

See Heading 8. Exposure controls and personal protection.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray.  
Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling.

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

Storage conditions: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.  
Incompatible products: Strong bases. Strong acids.  
Incompatible materials: Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

ethanediol, ethylene glycol (107-21-1)		
Germany	Local name	Classification according to
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	Classification according to
Germany	TRGS 900 Occupational exposure limit value (ppm)	Classification according to
Germany	Remark (TRGS 900)	Classification according to

### 8.2. Exposure controls

Personal protective equipment:	Avoid all unnecessary exposure.
Hand protection:	Wear protective gloves
Eye protection:	Chemical goggles or safety glasses
Respiratory protection:	Wear appropriate mask
Other information:	Do not eat, drink or smoke during use.

### 7.3. Specific end use(s)

See product bulletin for detailed information.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state:	Liquid
Appearance:	Transparent.
Colour:	pink.
Odour:	characteristic.
Odour threshold:	No data available
pH:	≈ 8 - 8,5
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	≈ 104 °C
Flash point:	Not flammable
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available

Flammability (solid, gas):	Not flammable
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	1,06 g/ml
Solubility:	Miscible with water.
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

## 9.2. Other information

Additional information:	The physical and chemical data in this section are typical values for this product and are not intended as product specifications.
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No additional information available.

### 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity: Harmful: may cause lung damage if swallowed.

ATE CLP (oral)	1249,813 mg/kg bodyweight
<b>ethanediol, ethylene glycol (107-21-1)</b>	
LD50 oral rat	7712 mg/kg
LD50 dermal rat	> 3500 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	> 2,5 mg/l/4h

Skin corrosion/irritation:	Not classified pH: ≈ 8 - 8,5
Additional information:	Based on available data, the classification criteria are not met
Serious eye damage/irritation:	Not classified pH: ≈ 8 - 8,5
Additional information:	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation:	Not classified
Additional information:	Based on available data, the classification criteria are not met
Germ cell mutagenicity:	Not classified Based on available data, the classification criteria are not met
Carcinogenicity:	Not classified
Additional information:	Based on available data, the classification criteria are not met
Reproductive toxicity:	Not classified
Additional information:	Based on available data, the classification criteria are not met
STOT-single exposure:	Not classified
Additional information:	Based on available data, the classification criteria are not met
STOT-repeated exposure:	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Not classified
Additional information:	Based on available data, the classification criteria are not met
Potential adverse human health effects & symptoms:	Harmful if swallowed.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1. Toxicity**

No additional information available.

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

Persistence and degradability: Not established

### **12.3. Bioaccumulative potential**

Bioaccumulative potential: Not established.

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

No additional information available

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

No additional information available

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

Additional information: Avoid release to the environment

## **SECTION 13: DISPOSAL CONSIDERATIONS**

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

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Ecology - waste materials: Avoid release to the environment.

## **SECTION 14: TRANSPORT INFORMATION**

In accordance with ADR / RID / IMDG / IATA / ADN

### **14.1. UN number**

ADR:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable
ADN:	Not applicable
RID:	Not applicable



#### 14.2. UN proper shipping name

ADR:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable
ADN:	Not applicable
RID:	Not applicable

#### 14.3. Transport hazard class(es)

ADR:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable
ADN:	Not applicable
RID:	Not applicable

#### 14.4. Packing group

ADR:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable
ADN:	Not applicable
RID:	Not applicable

#### 14.5. Environmental hazards

ADR:	Not applicable
IMDG:	Not applicable
IATA:	Not applicable
ADN:	Not applicable
RID:	Not applicable

No supplementary information available

#### 14.6. Special precautions for user

Overland transport:	Not applicable
Transport by sea:	Not applicable
Air transport:	Not applicable
Inland waterway transport:	Not applicable
Rail transport:	Not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

<p>3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No. 1272/2008.</p>	<p>EXTENDED LIFE COOLANT - ethanediol, ethylene glycol</p>
<p>3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No. 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10</p>	<p>EXTENDED LIFE COOLANT - ethanediol, ethylene glycol</p>

Contains no substance on the REACH candidate list.  
Contains no REACH Annex XIV substances.

#### 15.1.2. National regulations

Germany

VwVwS Annex reference:

Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV:

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: OTHER INFORMATION

Data sources:

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information:

None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral):	Acute toxicity (oral), Category 4
STOT RE 2:	Specific target organ toxicity — Repeated exposure, Category 2
H302:	Harmful if swallowed
H373:	May cause damage to organs through prolonged or repeated exposure

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Acute Tox. 4 (Oral)	H302	Calculation method
STOT RE 2	H373	Calculation method

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