

11-12-2012

Revision: (date)

11-10-2024

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Trade name:

Longlife Coolant

Product no.:

-

UFI:

PWGA-7VS2-V207-EWJX

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

#### **Recommended uses:**

Solvent, coolant and for organic syntheses.

#### **Uses advised against:**

Use only as described above, other uses should be done in consultation with the supplier.

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

Company and address:

West Diesel Engineering A/S

H E Bluhmes Vej 6

6700 Esbjerg

Denmark

+45 75 12 70 44

[www.westdiesel.com](http://www.westdiesel.com)

#### **Contact person and email:**

[westdiesel@westdiesel.com](mailto:westdiesel@westdiesel.com)

The safety data sheet is prepared and validated by:

Mediator A/S, Centervej 2, 6000 Kolding. Consultant: DH

### **1.4. Emergency telephone number**

Poison Control Hotline: +45 82 12 12 12

## **SECTION 2: Hazards identification**

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

CLP (1272/2008):



## 2.2. Label elements

### Signal word:

**Warning**

- Harmful if swallowed. (H302)
- Causes skin irritation. (H315)
- Causes serious eye irritation. (H319)
- May cause damage to organs (kidneys) through prolonged or repeated exposure (ingestion). (H373)
- Do not breathe vapours/spray. (P260)
- Wash hands thoroughly after handling. (P264)
- Wear protective gloves/protective clothing/eye protection/face protection. (P280)
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**(P305 + P351 + P338)**

If eye irritation persists: Get medical advice/attention. (P337 + P313)

## 2.3. Other hazards

The product contains organic solvents. Repeated exposure to organic solvents can result in damage to the central nervous system and internal organs such as the liver and kidneys.

### Additional labelling:

-

### Other

The product does not meet the criteria for PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1./3.2. Substances / Mixtures

Substance	Index No.	CAS/EC No.	DSD Classification / CLP Classification	w/w %	Note
Ethan-1,2-diol	603-027-00-1	107-21-1 / 203-473-3	Xn; R22 / Acute tox. 4 H302	>90	1

1) The substance is a organic solvents.

For full text of H-phrases - see section 16.

## **SECTION 4: First aid measures**

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

#### **Inhalation:**

Seek fresh air.  
Keep victim under observation.  
Seek medical advice in case of discomfort.

#### **Ingestion:**

Thoroughly rinse the mouth and drink 1-2 glasses of water in small sips.  
Do not induce vomiting.  
Seek medical advice in case of discomfort.

#### **Skin contact:**

Remove contaminated clothing.  
Wash skin with soap and water.  
Seek medical advice in case of discomfort.

#### **Eye contact:**

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

#### **Additional information:**

When obtaining medical advice, show the safety data sheet or label.

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

Harmful if swallowed.

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

May cause damage to organs through prolonged or repeated exposure.

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

Show this safety data sheet to the doctor or emergency room

## **SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

Surrounding fire:

Extinguish with powder, foam, carbon dioxide, or water mist.

Do not use water stream, as it may spread the fire.

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

Avoid inhalation of vapors and fumes - seek fresh air.

Hazardous fumes are formed in fire conditions.

In case of fire, thick black smoke will be produced.

Exposure to decomposition products may cause health hazards.

### 5.3. Advice for firefighters

If there is a risk of exposure to vapors and flue gases, self-contained breathing apparatus must be worn.

Firefighters should use suitable protective equipment.

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## **SECTION 6: Accidental release measures**

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

Use personal protective equipment - see section 8.

Avoid inhalation and contact with skin and eyes.

### 6.2. Environmental precautions

Avoid unnecessary release to the environment.

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

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

### 6.4. Reference to other sections

See section 8 for type of protective equipment.

See section 13 for disposal.

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## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

See section 8 for information on precautions for use and personal protective equipment.

The product should be used under well-ventilated conditions.

Running water and eye wash equipment should be available.

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

The product should be stored safely, out of reach of children and not together with food, animal feeding stuffs, medicines, etc.

Should be stored in tightly closed original packaging.  
Store in a dry, cool, and well-ventilated place.

### 7.3. Specific end use(s)

See application section 1.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):

**Substance	Limit value	Note**
Ethan-1,2-diol	10 mg/m <sup>3</sup>	EH

**E** = The substance has an EU limit value.

**H** = The substance can be absorbed through the skin.

### DNEL/PNEC values:

DNEL Ethane-1,2-diol

- Inhalation - Chronic Local

- Dermal - Chronic Systemic

### 8.2. Exposure controls

There is no exposure scenario for this product.

### Appropriate engineering controls:

Wear the personal protective equipment specified below.

Wash hands before breaks, before using restroom facilities, and at the end of work.

Do not eat, drink, or smoke when using this product.

Personal protective equipment:



#### - Respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment with filter ABEK.

#### - Hand protection:

Wear protective gloves made of nitrile rubber (> 0.11 mm).

Breakthrough time: > 480 min.

In the event of spills on the glove, it must be changed immediately and hands washed with soap and water.

#### - Eye/face protection:

Wear safety goggles if there is a risk of eye splash.

**- Skin protection:**

Not normally required.

**Environmental exposure controls:**

Ensure compliance with local regulations for emissions.

## SECTION 9: Physical and chemical properties

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

Property	Value
Appearance:	Liquid
Color:	Colorless
Odor:	Characteristic
pH:	8
Melting point/Freezing point (°C):	< -18
Initial boiling point (°C):	> 160
Decomposition temperature (°C):	-
Flash point (°C):	> 124
Evaporation rate:	-
Flammability (solid, gas):	-
Upper/lower flammability or explosive limits (vol-%):	3.4 - 15.1
Vapor pressure (mbar, 20 °C):	0.2
Vapor density (air=1):	-
Relative density (g/cm <sup>3</sup> ):	1.124
Solubility in water:	Soluble
Partition coefficient: n-octanol/water, Log KOW:	-
Auto-ignition temperature (°C):	420
Decomposition temperature (°C):	-
Viscosity (mm <sup>2</sup> /s, 20 °C):	20-30
Explosive properties:	-
Oxidizing properties:	-

### 9.2. Other information

Solubility in fat: -

Surface tension (mN/m, 25 °C): -

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

Flammable at temperatures above the flash point.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

Avoid contact with moisture and water.

### 10.5. Incompatible materials

Avoid contact with strong oxidizing agents.

Avoid contact with strong acids.

### 10.6. Hazardous decomposition products

None under recommended storage conditions.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Substance	Exposure route	Species	Test	Result
Ethan-1,2-diol	Oral	Rat	LD50	4700 mg/kg
Ethan-1,2-diol	Dermal	Rabbit	LD50	9530 µL/kg
Ethan-1,2-diol	Inhalation	Rat	LC50	> 200 mg/m <sup>3</sup> /4 h

#### Acute toxicity:

Harmful if swallowed.

#### Skin corrosion/irritation:

Irritating to skin - may cause redness.

Can be absorbed through the skin and cause symptoms such as dizziness and headache.

#### Serious eye damage/irritation:

Irritates the eyes. Causes stinging and tearing.

**Respiratory or skin sensitization:**

The available data do not warrant classification.

**Germ cell mutagenicity:**

The available data do not warrant classification.

**Carcinogenicity:**

The available data do not warrant classification.

**Reproductive toxicity:**

The available data do not warrant classification.

**STOT-single exposure:**

The product releases vapors from organic solvents, which may cause drowsiness and dizziness. At high concentrations, the vapors may cause headache and intoxication.

**STOT-repeated exposure:**

May cause damage to organs through prolonged or repeated exposure.

Prolonged or repeated exposure by skin contact or inhalation of vapors may cause damage to the central nervous system.

**Aspiration hazard:**

The available data do not warrant classification.

## 11.2. Information on other hazards

Test data are not available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Test duration	Species	Test	Result
Ethan-1,2-diol	24 h	Daphnia	EC50	> 10,000,000 µg/L
Ethan-1,2-diol	48 h	Fish	LC50	> 10,000,000 µg/L

### 12.2. Persistence and Degradability

Substance	Degradability in aquatic environment	Test	Result
Ethan-1,2-diol	Yes	No data available	No data available

### 12.3. Bioaccumulative potential

Substance	Potential for bioaccumulation	LogPow	BCF
Ethan-1,2-diol	No	-1.36	No data available

### 12.4. Mobility in soil

Test data are not available.

### 12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

### 12.6. Endocrine disrupting properties

Test data are not available.

### 12.7. Other adverse effects

None.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

This product is covered by the regulations on hazardous waste.

Spills and waste should be collected in closed, leak-proof containers and disposed of via the municipal hazardous waste scheme with the specifications below.

Chemical waste group	EWC code	Waste type
H	16 03 05	Organic waste containing hazardous substances

### Special labelling:

-

### Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal hazardous waste scheme.

## SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

### 14.1 -14.4.ADR

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### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

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## 14.7. Maritime transport in bulk according to IMO instruments

**Not applicable.**

## SECTION 15: Regulatory information

### 15.1. Special provisions/special legislation for the substance or mixture regarding safety, health, and environment

Requirements for workplace usage instructions, as the product contains > 1% of a substance classified as hazardous to health or the environment according to the Ministry of Environment regulations.

Safety data sheets can be requested by professional users.

In a workplace assessment, it must be ensured that employees are not exposed to influences that may pose a risk during pregnancy or breastfeeding. (See, however, the Danish Working Environment Authority's regulations regarding the execution of work).

#### **Usage restrictions:**

Young people under 18 years of age are not allowed to use or be exposed to the product in a professional capacity. However, young people over 15 years of age are exempt from this rule if the product is a necessary part of their education. (See, however, the Danish Working Environment Authority's regulations regarding young people's work).

#### **Training requirements:**

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#### **Other labeling:**

Code number (1993): 00-2

### 15.2. Chemical Safety Assessment

None

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Prepared based on EU Regulations 453/2010 and 1907/2006

## SECTION 16: Other Information

Other Information:

Labeling elements:

EU



### **Harmful to health.**

Harmful if swallowed. (R22)

Keep out of reach of children. (S2)

If swallowed, contact a physician immediately and show this container or label. (S46)

### **Sources:**

Danish Working Environment Authority's regulation no. 301 of May 13, 1993, on the establishment of code numbers.

Regulation no. 21 of January 16, 1996, of the Act on Chemical Substances and Products.

Danish Working Environment Authority's regulation no. 292 of April 26, 2001, on work with substances and materials (chemical agents).

Regulation no. 559 of July 4, 2002, on special obligations for manufacturers, suppliers, and importers, etc., of substances and materials under the Act on Working Environment.

Danish Working Environment Authority's regulation no. 239 of April 6, 2005, on young people's work.

Danish Environmental Protection Agency regulation no. 1049 of October 27, 2005, on limiting VOCs.

AT Guidance C.0.1 August 2007: Exposure limits for substances and materials.

EU Regulation 1907/2006 (REACH).

EU Regulation 1272/2008 (CLP).

Regulation no. 48 of January 13, 2010, on waste.

EU Regulation 453/2010 (Update to CLP).

### **The full text of H/R phrases mentioned in sections 2+3:**

R22 - Harmful if swallowed.

H302 - Harmful if swallowed.

### **Other:**

It is recommended to provide this safety data sheet to the actual user of the product. The information mentioned cannot be used as product specification.

The information in this safety data sheet applies only to the product mentioned in section 1 and may not be applicable when used in conjunction with other products.

### **Changes have been made in the following sections:**

1.1 (Product number added)

### **This safety data sheet replaces version:**

1.0 (11-09-2012)