

# SAFETY DATA SHEET

Complies with Regulation 1907/2006 of the European Parliament and of the Council (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

Coolant fluid GOODYEAR ANTIFREEZE G13

Version: 01

Version: 14.06.2024

The date of the previous version: -

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

### 1.1. Product identifier

Trade name: **GOODYEAR ANTIFREEZE G13**

UFI: P2K7-5079-R004-UDUE

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

Relevant identified uses: Antifreeze/coolant for cars.  
For consumer/professional use.

Uses advised against: Do not use for food.

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

Manufacturer in the EU (supplier of the safety data sheet): **CHEMISPEC Ltd.**  
Legal address: Robezu 7, Ventspils, LV-3601, Latvia  
Manufacturing address: Straumes 14, Tukums, LV-3104, Latvia.  
Phone: +371 29473720  
WEB page: <https://goodyearoilbaltics.com/>  
E-mail of the competent person responsible for safety data sheets: [nk@chemispec.com](mailto:nk@chemispec.com)

### 1.4. Emergency telephone number

EU:112

Emergency telephone for other regions to be filled out by local business.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Product definition: Mixture

Classification according to regulation (EC) No 1272/2008:

**Acute Tox. 4**, Acute toxicity (oral), Hazard Category 4;  
H302 Harmful if swallowed.

**STOT RE 2**, Specific target organ toxicity — Repeated exposure, Hazard Category 2;  
H373 May cause damage to organs (liver) through prolonged or repeated exposure (through ingestion).

### 2.2. Label elements

According to regulation (EC) No 1272/2008:

Pictograms:



Signal word: Warning

Hazard statements: H302 Harmful if swallowed.  
H373 May cause damage to organs (liver) through prolonged or repeated exposure (through ingestion).

Hazardous substances: Contains: Ethanediol.

Precautionary statements: P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

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|                              |  |
|------------------------------|--|
| Supplemental label elements: | P103 Read carefully and follow all instructions.<br>P260 Do not breathe fume/gas/mist/vapours/spray.<br>P264 Wash hands thoroughly after handling.<br>P270 Do not eat, drink or smoke when using this product.<br>P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor, if you feel unwell.<br>P330 Rinse mouth.<br>P405 Store locked up.<br>P501 Dispose of contents to a licensed hazardous waste management company in accordance with local/regional/national/international regulation; container - dispose of in household waste at an appropriate collection point in accordance with local regulations.<br><br>Not applicable. |
|------------------------------|--|

### **Annex XVII – restrictions on production, placing on the market and use of certain hazardous substances, mixtures and products**

None.

#### **Specific requirements for retail packaging:**

Child-resistant packaging: Not applicable.

Tactile hazard warning symbol (Δ) Is applicable.

#### **Labeling exemptions for packaging <125 ml:**

Not applicable.

### **2.3. Other hazards**

#### **2.3.1. Other hazards not related to classification**

Not applicable.

#### **2.3.2. Information on PBT and vPvB substances**

The product does not meet the PBT and vPvB criteria according to Annex XIII of the REACH Regulation (Regulation (EC) No. 1907/2006).

#### **2.3.3. Endocrine disrupting properties**

Toxicological/ecological information: Based on the available data, the product does not contain ingredients that according to REACH Article 57(f) or Commission Delegated Regulation (EU) no. 2017/2100 or Commission Regulation (EU) no. 2018/605 are considered substances with endocrine disrupting properties, in a concentration of 0.1% or more.

Information on effects on health and possible symptoms is given in section 11.

## **SECTION 3: Composition/information on ingredients**

### **3.1. Substances**

Not applicable.

### **3.2. Mixtures**

| Name of the substance         | Identifier  | Conc. (%) | Classification according to regulation 1272/2008/EC (CLP) | Type       |
|-------------------------------|---|-----------|---|------------|
| Ethenediol<br>Ethylene glycol | CAS no.: 107-21-1<br>EC no.: 203-473-3<br>Index no.: 603-027-00-1<br>REACH reg.: 01-2119456816-28 | 48-50     | Acute Tox. 4, H302<br>STOT RE 2, H373 (Liver) (Oral)      | [1]<br>[2] |

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The mixture does not contain ingredients that, according to the supplier's current knowledge and concentration of substances, could pose a risk to health or the environment, and there are no PBT and vPvB substances or substances of similar concern, or substances with an occupational exposure limit value, and therefore should be listed in this section.

Abbreviations and explanations of H-phrases are given in section 16.

Occupational exposure limits (if established) are given in section 8.

### **Types:**

- [1] substances hazardous to the environment or health;
- [2] substances with an occupational exposure limit value;
- [3] PBT-substances according to (EC) no. 1907/2006, for Annex XIII;
- [4] vPvB substances. according to (EC) no. 1907/2006, for Annex XIII.
- [5] The substance is included in the SEVESO Directive.

**Note on REACH Registration: All ingredients have been REACH registered by the manufacturer or supplier.**

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|               |   |
|---------------|---|
| Inhalation:   | Move the victim to fresh air, keep him calm and in a comfortable position for breathing, and contact a doctor. If smoke is suspected in the room, use an appropriate mask or self-contained breathing apparatus. If the victim's breathing stops or it is irregular, perform artificial respiration or administer oxygen. Only trained personnel may do this. Mouth-to-mouth breathing can be dangerous for the rescuer. If the victim is unconscious, place in the recovery position and seek medical help immediately. Maintain an open airway. |
| Skin contact: | Wash affected skin with plenty of soap and water. Remove soiled clothing and shoes. If symptoms occur, seek medical attention.  |
| Eye contact:  | Immediately flush eyes with plenty of water by lifting the upper and lower eyelids. Check that the contact lenses are removed. Continue rinsing for at least 15 minutes. Contact your doctor.   |
| Ingestion:    | Rinse mouth with water. Remove dentures, if any. If the product has been swallowed but the victim is conscious, give the victim small amounts of water to drink. Stop if the victim feels unwell, as vomiting can be dangerous. DO NOT INDUCE VOMITING unless directed by your doctor. If vomiting starts, tilt the victim's head downwards so that the vomited masses do not enter the respiratory tract. Never give anything by mouth to an unconscious individual.   |

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

|               |  |
|---------------|--|
| Inhalation:   | May cause respiratory irritation.<br>Adverse symptoms may include the following: respiratory tract irritation, cough, shortness of breath.         |
| Skin contact: | No known significant effects or critical hazards.  |
| Eye contact:  | No known significant effects or critical hazards.  |
| Ingestion:    | May cause poisoning and liver damage.<br>Adverse symptoms may include the following: abdominal pain, nausea, headache, dizziness and intoxication. |

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

Notes to physician      Treat symptomatically.

Information on effects on health and possible symptoms is given in section 11.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), or dry powder.

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Unsuitable extinguishing media:

Do not use a full power water jet.

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

Risk of explosion if sealed package is heated. In the event of a fire, if heated, pressure will increase and the package may explode.

The product is flammable and when heated can release vapors that form an explosive mixture with air.

Combustion products may contain the following substances: carbon dioxide, carbon monoxide and unidentified organic and inorganic compounds.

### 5.3. Advice for firefighters

Demarcate the area and evacuate bystanders from the fire zone. Do not involve untrained or personnel without protective equipment in firefighting. Fire-fighting water contaminated with this material must be contained and collected, and must be prevented from entering water bodies, sewers or drains.

Firefighters must wear appropriate protective equipment and full-face self-contained breathing apparatus (SCBA) operating under increased pressure. Clothing for firefighters (including helmets, safety shoes and gloves) must comply with the European standard EN 469 "Protective clothing for firefighters. Performance requirements for protective clothing for firefighters" and must provide at least a basic level of protection against chemical spills.

### 5.4. Additional information

Use a water jet to cool unopened containers and disperse vapors.

Do not allow water used for firefighting to enter drains and water bodies.

## SECTION 6: Accidental release measures

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

6.1.1 For non-emergency personnel:

Do not involve untrained or at-risk personnel in handling the spill. Evacuate personnel from surrounding areas. Do not allow access to area untrained or personnel without protective equipment. Do not touch or walk through spilled product. Avoid inhalation of vapors and mists. Ensure adequate ventilation. If ventilation is inadequate, wear an appropriate respirator. Put on suitable personal protective equipment.

6.1.2. For emergency responders:

If special protective equipment is required to collect spills, refer to Section 8 for suitable and unsuitable materials. Also read the information in section 8, about hygiene requirements.

### 6.2. Environmental precautions

Do not allow product to enter drains. If the product has caused environmental pollution (sewers, water bodies, soil or air), report to the appropriate government authorities.

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

Small spill:

Stop the leakage if it is possible to do so without danger. Move containers away from the place of accident. Eliminate all sources of ignition. Provide ventilation. Dilute with water and wipe if water soluble. Place the spilled material in a designated, labeled waste container. Take to a licensed waste management company.

Large spill:

Stop the leakage if it is possible to do so without danger. Move containers away from the place of accident. Eliminate all sources of ignition. Provide ventilation. Approach to the place of accident downwind. Prevent product from entering drains, water bodies, basements or adjoining

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areas. Discharge the spilled product into water treatment facilities or follow the instructions below. Collect spilled product with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in a suitable waste container for disposal in accordance with local regulations. Take to a licensed waste management company.

### 6.4. Reference to other sections

See Section 1 for emergency contact information.  
See section 8 for suitable protective equipment.  
See section 13 for waste management information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Protective measures: Put on suitable personal protective equipment (see section 8). Avoid contact with eyes, skin and clothes. Avoid inhalation of vapors or mist. Beware of swallowing. Avoid contact with acids, moisture and flammable materials. Ensure adequate ventilation when using the product. If ventilation is insufficient, use an appropriate respirator. Store in original packaging or approved alternative packaging made of compatible material. Keep tightly closed until use. Empty packages may contain product residues that can be dangerous. Do not reuse the packaging.

Protective measures against fire and explosion: Ensure adequate ventilation when using the product. Before starting work, make sure that the fire extinguishers are in working order.

Advice on general occupational hygiene: Eating, drinking and smoking are not allowed in the areas of product use, storage and production. Employees must wash their hands and face before eating, drinking and smoking. Remove soiled clothing before entering dining areas. See section 8 for hygiene measures.

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

Storage: Store in accordance with local regulations. Store in a locked and approved storage room. Keep the package tightly closed. Store in the original packaging, in a cool, well-ventilated place, protected from direct sunlight. Store away from incompatible materials (see section 10), food and drinks. Store away from heat and ignition sources. Keep the package tightly closed until use. Open packages must be tightly closed and kept upright to prevent leakage. Do not store in unlabeled packaging. Use appropriate packaging to avoid environmental contamination.

### 7.3. Specific end use(s)

Recommendations: Antifreeze/cooler for cars/building heating systems.  
For consumer / professional use.

Solutions for manufacturers: Information not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational Exposure Limits (OEL): Limit values are set throughout the EU, but each Member State sets its own OELs, which often exceed those set by EU legislation (IOELVs). OELs are determined by national competent authorities or other appropriate institutions.

#### EU: Indicative occupational exposure limit values (IOELV):

| Name of the substance | Value 8 h exposure          |                                    | Value short term exposure      |                             |
|-----------------------|-----------------------------|------------------------------------|--------------------------------|-----------------------------|
|                       | OEL mg/m <sup>3</sup> (8 h) | OEL ppm (ml/m <sup>3</sup> ) (8 h) | OEL mg/m <sup>3</sup> (15 min) | OEL mg/m <sup>3</sup> (8 h) |

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|  |    |    |     |    |
|--|----|----|-----|----|
| Ethanediol<br>Ethylene glycol<br>(Mono ethylene glycol)<br>[Notes: Skin] | 52 | 20 | 104 | 40 |
|--|----|----|-----|----|

### Latvia (AER, MK reg. Nr.325):

| Name of the substance  | Value 8 h exposure          |                                    | Value short term exposure      |                             |
|--|-----------------------------|------------------------------------|--------------------------------|-----------------------------|
|  | OEL mg/m <sup>3</sup> (8 h) | OEL ppm (ml/m <sup>3</sup> ) (8 h) | AER mg/m <sup>3</sup> (15 min) | OEL mg/m <sup>3</sup> (8 h) |
| Ethanediol<br>Ethylene glycol<br>(Mono ethylene glycol)<br>[Notes: Skin] | 52                          | 20                                 | 104                            | 40                          |

Recommended monitoring  
Procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy), as well as national guidance documents for methods for the determination of hazardous substances.

### 8.2. Exposure controls

Appropriate engineering  
controls:

Use only with adequate ventilation. If dust, fumes, gas, vapors or haze are generated as a result of the work, use process containment, local exhausted ventilation or other devices to ensure air pollution below the recommended occupational exposure limits or stated occupational exposure limits. It is also necessary to use engineering equipment to ensure the concentration of gas, vapor or dust below the explosive limits.

### Individual protection measures, such as personal protective equipment:

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.  
Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

### Eye/face protection

Safety glasses must meet approved standards and must be used when a risk assessment indicates the necessity to wear them to avoid liquid splashes, mist or dust. If contact with the substance is possible, the specified protection must be worn, except if the risk assessment indicates the need for a higher level of protection: goggles or a face shield against splashes of chemical products. If there is a risk of inhaling the product, it is necessary to use a full face mask with an appropriate filter.

### Skin protection

Hand protection

Chemically resistant, impervious gloves of approved standards must be worn throughout handling of the product if a risk assessment indicates the need for them.  
During use, check that the gloves still provide the level of protection specified by the manufacturer. It should be noted that the durability of gloves of the same material may vary from manufacturer to manufacturer. If you work with mixtures containing different substances, it is impossible to calculate the level of glove resistance with absolute accuracy.  
Penetration level 6, permeation level 3, according to EN 374, taking into account the concentration of chemicals specified in section 3.  
Gloves suitable for work: gloves made of impervious material.

Body protection

Personal protective equipment must be selected based on the work tasks and the risk assessment of the working environment, approved by the appropriate specialist.

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Other Appropriate protective footwear and any other skin protection must be selected prior to product use based on work tasks and a risk assessment of the work environment, approved by an appropriate specialist.

**Respiratory protection** In case of insufficient ventilation, it is necessary to use a suitable personal respiratory protection device.  
Use tight-fitting, air-purifying or air-suppressing respirators in accordance with the applicable standard when a risk assessment dictates this. The choice of respirator should be based on the known or expected level of occupational exposure, product risks, limitations of the respirator's safe operation.

**Environmental exposure controls** Emissions from ventilation or processing equipment must be controlled to ensure compliance with environmental protection legislation. In some cases, it will be necessary to use emission collectors, filters, or make technical modifications to treatment equipment to reduce emissions to acceptable levels.

### SECTION 9: Physical and chemical properties

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

|  |   |
|--|---|
| Physical state   | Liquid.   |
| Colour   | Light yellow/orange.  |
| Odour  | Characteristic (sweet odor).  |
| Melting point/freezing point                             | -38 °C.   |
| Boiling point or initial boiling point and boiling range | Not available.  |
| Flammability   | The product contains flammable ingredients and the product itself is considered a flammable liquid. |
| Lower and upper explosion limit                          | Not available.  |
| Flash point  | 230 °C.   |
| Auto-ignition temperature                                | 700°C.  |
| Decomposition temperature                                | Not available.  |
| pH   | 8   |
| Kinematic viscosity                                      | Not available.  |
| Solubility   | The product is soluble in water.  |
| Partition coefficient n-octanol/water (log value)        | Not available.  |
| Vapour pressure  | 0,123 hPa [25 °C].  |
| Density and/or relative density                          | 1,08 g/cm <sup>3</sup> [20 °C].   |
| Relative vapour density                                  | Not available.  |
| Particle characteristics                                 | Not available.  |

#### 9.2. Other information

##### 9.2.1. Information with regard to physical hazard classes

Not available.

##### 9.2.2. Other safety characteristics

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Not available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No known exposure according to our database.

#### 10.2. Chemical stability

Does not cause significant stability concerns. Avoid: heat sources, sparks and flames.

#### 10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal conditions of storage and use.

#### 10.4. Conditions to avoid

Heat, flames and other sources of ignition.

#### 10.5. Incompatible materials

Reactive or incompatible materials: Acids, strong oxidizers, sulfuric acid, oleum, phosphorus pentasulfide, chlorosulfonic acid.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products should not form under normal conditions of storage and use.

### SECTION 11: Toxicological information

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

##### Acute toxicity:

Information about the product or its ingredients:

| Product/substance name                                  | Result                               | Species | Dose             | Exposure |
|---|--------------------------------------|---------|------------------|----------|
| Antifreeze  | ATE Oral                             | -       | 507,6 mg/kg bw   | -        |
| Ethenediol<br>Ethylene glycol<br>(Mono ethylene glycol) | ATE Oral                             | -       | 500 mg/kg bw     | -        |
|   | LC <sub>50</sub> inhalation: aerosol | rat     | > 2.5 mg/L air   | 6 h      |
|   | LD <sub>50</sub> Dermal              | mouse   | > 3,500 mg/kg bw | -        |

**Conclusion/Summary:** According to the classification method described in the CLP regulation, since this product has an ATE (oral) value of 507.6 mg per kg body weight, the product is classified as harmful if swallowed (Acute Tox. 4, H302).

##### Skin corrosion/irritation:

Information about the product or its ingredients:

Information on dangerous effects on humans or animals is not available.

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

##### Serious eye damage/irritation:

Information about the product or its ingredients:

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Information on dangerous effects on humans or animals is not available.

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

### Respiratory or skin sensitization:

Information about the product or its ingredients:

Information on dangerous effects on humans or animals is not available

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

### Germ cell mutagenicity:

Information about the product or its ingredients:

Information on dangerous effects on humans or animals is not available

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

### Carcinogenicity:

Information about the product or its ingredients:

Information on dangerous effects on humans or animals is not available

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

### Reproductive toxicity:

Information about the product or its ingredients:

Information on dangerous effects on humans or animals is not available

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

### Specific target organ toxicity – single exposure

Information about the product or its ingredients:

Information on dangerous effects on humans or animals is not available

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

### Specific target organ toxicity – repeated exposure

Information about the product or its ingredients:

| Mixture/Substance name                                  | Exposure  |
|---|---|
| Ethanediol<br>Ethylene glycol<br>(Mono ethylene glycol) | Hazard category: Toxic effect on the target organ - repeated exposure, hazard category 2.<br>Hazard statement: May cause damage to organs through prolonged or repeated exposure.<br>Affected organs: Liver.<br>Mode of action: Oral. |

**Conclusion/Summary:** Based on available data, the product is classified as toxic to the target organ (liver) after repeated oral exposure (STOT RE 2, H373).

### Aspiration hazard.

Information about the product or its ingredients:

Information on dangerous effects on humans or animals is not available

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

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### Information on likely routes of exposure

Inhalation: May cause respiratory irritation.  
Contact with the skin: No known significant effects or critical hazards.  
Contact with eyes: No known significant effects or critical hazards.  
Ingestion: May cause poisoning and liver damage.

### Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: Respiratory tract irritation, cough, shortness of breath.  
Contact with the skin: No known significant effects or critical hazards.  
Contact with eyes: No known significant effects or critical hazards.  
Ingestion: Abdominal pain, nausea, headache, dizziness and intoxication.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short-term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

#### Long-term exposure

Potential immediate effects: Not available.

Potential delayed effects: Liver damage.

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Based on the available data, the product does not contain ingredients that, according to REACH Article 57(f) or Commission Delegated Regulation (EU) no. 2017/2100 or Commission Regulation (EU) no. 2018/605 are considered substances with endocrine disrupting properties, in a concentration of 0.1% or more.

#### 11.2.2. Other information

Not available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Information about the product or its ingredients:

| Product/Substance name                                  | Species                            | Effect           | Exposure | Dose        |
|---|------------------------------------|------------------|----------|-------------|
| Ethanediol<br>Ethylene glycol<br>(Mono ethylene glycol) | Fish - Pimephales promelas         | LC <sub>50</sub> | 96 h     | 53000 mg/L  |
|   | Fish                               | NOEC             | 28 d.    | > 40 mg/L   |
|   | Crustacea - Daphnia magna          | EC <sub>50</sub> | 48 h     | > 100 mg/L  |
|   | Algae - Raphidocelis subcapitata   | NOEC             | 72 h     | > 100 mg/L  |
|   | Microorganisms– Pseudomonas putida | EC <sub>20</sub> | 30 min   | > 1995 mg/L |

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

### 12.2. Persistence and degradability

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Information about the product or its ingredients:

| Product/Substance name                                 | CAS no.  | Degradation   | Guideline/ Test method |
|--|----------|---|------------------------|
| Ethenediol<br>Ethylene glycol<br>(Mono ethylene glycol | 107-21-1 | Biodegradable.<br>Degradation (O2 consumption), 28 days:<br>90% | -                      |

**Conclusion/Summary:** Based on available data, the classification criteria are not met.

### 12.3. Bioaccumulative potential

Information about the product or its ingredients:

No data on adverse effects on animals or aquatic plants/animals are available.

### 12.4. Mobility in soil

Information about the product or its ingredients:

No data on adverse effects on animals or aquatic plants/animals are available.

### 12.5. Results of PBT and vPvB assessment

The product does not meet the PBT and vPvB criteria according to Annex XIII of the REACH Regulation (Regulation (EC) No. 1907/2006).

### 12.6. Endocrine disrupting properties

No data on adverse effects on animals or aquatic plants/animals are available.

**Conclusion/Summary:** Based on the available data, the product does not contain ingredients that, according to REACH Article 57(f) or Commission Delegated Regulation (EU) no. 2017/2100 or Commission Regulation (EU) no. 2018/605 are considered substances with endocrine disrupting properties, in a concentration of 0.1% or more.

### 12.7. Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Product

**Methods of disposal:** Waste must be disposed of in accordance with the requirements of national, municipal and local regulatory acts in the field of environmental protection. Do not allow spilled material to spread and enter soil, water bodies, drains and sewers.

**Hazardous waste:** According to our current knowledge, the product is considered hazardous waste according to EC directive no. 2008/98/EC and EU regulation no. 1357/2014.

**European waste catalogue (EWC):** 16 01 14\*: antifreeze fluids containing hazardous substances.

#### Packaging:

**Methods of disposal:** The generation of waste should be prevented or minimized as much as possible. The packaging to be disposed of is recyclable. May be added to general waste, after thorough cleaning of the packaging. Incineration or disposal in landfills is permitted only if replanting is not available. According to the supplier's current knowledge, the packaging is not considered hazardous waste according to EC directive 91/689/EEC.

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European waste catalogue    Emptied package:  
EWC code:  
Bottle: 20 01 39 Plastics.

### SECTION 14: Transport information

The product is not classified as dangerous for transport according to transport regulations (ADR/RID, IMDG or ICAO/IATA).

|   | ADR/RID | ADN | IMDG | IATA |
|---|---------|-----|------|------|
| 14.1. UN number or ID 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. Maritime transport in bulk according to IMO instruments | -       |     |      |      |

### SECTION 15: Regulatory information

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

##### 15.1.1. EU regulations

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.

COMMISSION REGULATION (EU) No 1357/2014 replacing Annex III to Directive 2008/98/EC of the European Parliament and of the Council on waste and repealing certain Directives

ADR - the European Agreement concerning the International Carriage of Dangerous Goods by Road, concluded at Geneva on 30 September 1957, as amended.

RID - the Regulations concerning the International Carriage of Dangerous Goods by Rail, appearing as Appendix C to the Convention concerning International Carriage by Rail (COTIF) concluded at Vilnius on 3 June 1999, as amended.

ADN - the European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways concluded at Geneva on 26 May 2000, as amended.

IMDG Code - International Maritime Dangerous Goods Code.

IATA/ICAO: ICAO - International Civil Aviation Organization. IATA - International Air Transport Association.

MARPOL 73/78 - International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH):

Annex XIV - List of substances    Not applicable.  
subject to authorization:

Annex XVII – Restrictions on    Not applicable.  
the manufacture, placing on  
the market and use of certain  
dangerous substances,  
mixtures and articles:

##### 15.1.2. National legislation

## SAFETY DATA SHEET

Complies with Regulation 1907/2006 of the European Parliament and of the Council (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

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to be filled out by local business

EN469 – "Protective clothing for firefighters - Performance requirements for protective clothing for firefighting activities";  
EN ISO 374-1 – " Protective gloves against dangerous chemicals and micro-organisms  
Part 1: Terminology and performance requirements for chemical risks";  
EN 166:2002 - "Personal Eye Protection Standard";  
EN ISO 13688 – " Protective clothing — General requirements";  
EN ISO 20347:2021 "Personal protective equipment — Occupational footwear".

### 15.2. Chemical safety assessment

Not applicable.

## SECTION 16: Other information

### 16.1. Abbreviations and acronyms

REACH: Regulation 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)  
CLP: Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]  
ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
RID: International Rule for Transport of Dangerous Substances by Railway  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
CAS: Chemical Abstracts Service  
EINECS: European Inventory of Existing Commercial chemical Substances  
LC50: Median lethal concentration  
LD50: Median lethal dose  
REACH: Registration, Evaluation and Authorisation of Chemicals  
PBT: Persistent, bio-accumulative and toxic  
vPvB: Very persistent, very bio-accumulative  
bw: Body weight.

### 16.2. Classification method

Acute Tox. 4, H302 -> Calculation method.  
STOT RE 2, H373 -> Based on the general classification limits for the hazard class.

### 16.3. Full text of abbreviated H statements [CLP/GHS]

Acute Tox. 4, Acute toxicity (oral), Hazard Category 4;  
H302 Harmful if swallowed.  
STOT RE 2, Specific target organ toxicity — Repeated exposure, Hazard Category 2.;  
H373 May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

### 16.4. Information sources

ECHA databases.  
Safety data sheets compiled by raw material manufacturers.

### 16.5. Recommendations for training

In addition to health, safety and environmental training programs for employees, companies should ensure that employees read, understand and apply the information and recommendations in the Safety Data Sheets.

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**END OF THE SAFETY DATA SHEET**