



## Safety Data Sheet

Revision 1 • Date of issue: 2025-11-07

### SECTION 1: Identification

#### Product identifier

Product name **Heavy Duty Extended Life Coolant predilute EG 50/50**

Product variations HD ELC 50/50 Red, HD ELC 50/50 Blue

#### Recommended use of the chemical and restrictions on use

Antifreeze

#### Manufacturer's details

Name Hon-R Chemicals  
Address 16950 Wallisville Rd.  
Houston TX 77049  
USA

Telephone 832-376-4500

#### Emergency phone number

Company Phone: 1-832-376-4500  
Emergency 24 hr Phone (Chemtrec): 1-800-424-9300 (toll-free)  
1-703-527-3887 (local)

### SECTION 2: Hazard identification

#### Classification of the substance or mixture

**GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)**

- Acute toxicity, oral, Cat. 4

#### GHS label elements, including precautionary statements

##### Pictograms



##### Signal word

**Warning**

##### Hazard statement(s)

H302 Harmful if swallowed

##### Precautionary statement(s)

P264 Wash ... thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P301+P312 IF SWALLOWED: Call a POISON CENTER /doctor/...if you feel unwell,  
P330 Rinse mouth.  
P501 Dispose of contents/container to ...

### SECTION 3: Composition/information on ingredients

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#### Mixtures

| Component                   | Identification                                                    | Weight %  | Classifications                                                                      |
|-----------------------------|-------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|
| Ethylene glycol             | CAS no.: 107-21-1<br>EC no.: 203-473-3<br>Index no.: 603-027-00-1 | 35 - 45 % | CLASSIFICATIONS: Acute toxicity, oral, Cat. 4. HAZARDS: H302 - Harmful if swallowed. |
| Component 2 (trade secret)* | Trade secret*                                                     | 1 - 3 %   | CLASSIFICATIONS: No data available. HAZARDS: No data available.                      |

#### Trade secret statement (OSHA 1910.1200(i))

\*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

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## SECTION 4: First-aid measures

#### Description of necessary first-aid measures

|                                                        |                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled                                             | Move to fresh air. Get medical attention immediately if symptoms occur.                                                                                                                                                                                                                                |
| In case of skin contact                                | Wash off immediately with plenty of water. Get medical attention immediately if symptoms occur.                                                                                                                                                                                                        |
| In case of eye contact                                 | Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. If symptoms persist, call a physician.                                                                                                                                                                |
| If swallowed                                           | Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.                               |
| Personal protective equipment for first-aid responders | No action shall be taken involving any personal risk or without suitable training. Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing. |

#### Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11

#### Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

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## SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)

#### Specific hazards arising from the chemical

Ethylene glycol: No data available.

#### Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.  
Use personal protective equipment.

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## SECTION 6: Accidental release measures

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

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For Non-Emergency Personnel Use personal protective equipment. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation. If spilled, take caution, as material can cause surfaces to become very slippery.  
For Emergency Responders If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

#### Environmental precautions

Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform respective authorities.

#### Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

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## SECTION 7: Handling and storage

#### Precautions for safe handling

Advice on protection against fire and explosion

:

Normal measures for preventive fire protection.

Advice on safe handling

:

Do not breathe vapours/dust.

For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the application area.

Dispose of rinse water in accordance with local and national regulations.

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

Conditions for safe storage

:

Keep container tightly closed in a dry and well-ventilated place.

Electrical installations / working materials must comply with the technological safety standards.

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## SECTION 8: Exposure controls/personal protection

#### Control parameters

##### CAS: 107-21-1

Ethylene glycol

AU/SWA (AU): 40 ppm; 104 mg/m<sup>3</sup> STEL inhalation [Ethylene glycol (vapour)]; 10 mg/m<sup>3</sup> TWA inhalation [Ethylene glycol (particulate)]; 20 ppm; 52 mg/m<sup>3</sup> TWA inhalation [Ethylene glycol (vapour)]; Cal/OSHA (US): 40 ppm, 100 mg/m<sup>3</sup> PEL-C inhalation; EU/OSHA (EU): 52 mg/m<sup>3</sup> IOELV-LTEL inhalation [Ethane-1,2-diol]; 20 ppm IOELV-LTEL inhalation [Ethane-1,2-diol]; 104 mg/m<sup>3</sup> IOELV-STEL inhalation [Ethane-1,2-diol]; 40 ppm IOELV-STEL inhalation [Ethane-1,2-diol]

#### Appropriate engineering controls

Engineering Measures Showers

Eyewash stations

Ventilation systems

#### Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles.

##### Skin protection

Impervious clothing. Impervious gloves.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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## SECTION 9: Physical and chemical properties

|                                                                       |                       |
|-----------------------------------------------------------------------|-----------------------|
| Physical state                                                        | Liquid                |
| Colour                                                                | Various (Blue or Red) |
| Odour                                                                 | None                  |
| Melting point and freezing point                                      | -34 F                 |
| Boiling point or initial boiling point and boiling range              | No data available     |
| Flammability                                                          | No data available     |
| Lower and upper explosion limit or lower and upper flammability limit | No data available     |
| Flash point                                                           | >240 F (116 C)        |
| Auto-ignition temperature                                             | No data available     |
| Decomposition temperature                                             | No data available     |
| pH                                                                    | 8.4                   |
| Kinematic viscosity                                                   | No data available     |
| Solubility                                                            | Water: 100%           |
| Partition coefficient — n-octanol/water (logarithmic value)           | No data available     |
| Vapour pressure                                                       | No data available     |
| Density and relative density                                          | 1.08                  |
| Relative vapour density                                               | No data available     |
| Particle characteristics                                              |                       |
| <b>Additional properties</b>                                          |                       |
| Appearance, such as physical state and colour                         | Clear                 |
| Odour threshold                                                       | No data available     |
| Evaporation rate                                                      | No data available     |

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## SECTION 10: Stability and reactivity

### Reactivity

May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

### Chemical stability

This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### Possibility of hazardous reactions

No hazards to be specially mentioned.

### Conditions to avoid

Keep away from heat, flame, sparks and other ignition sources.

### Incompatible materials

Strong acids, Strong oxidizing agents, Strong bases, Aldehydes, Aluminum

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides  
In the event of fire: see section 5

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## SECTION 11: Toxicological information

### Information on toxicological effects

#### Acute toxicity

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for product components.

Acute Toxicity Estimate: Not Determined

#### Skin corrosion/irritation

The skin irritation hazard is based on evaluation of data for product components.

#### Serious eye damage/irritation

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The eye irritation hazard is based on evaluation of data for product components.

#### **Respiratory or skin sensitization**

The acute inhalation toxicity hazard is based on evaluation of data for product components.

#### **Germ cell mutagenicity**

The hazard evaluation is based on data for components or a similar material.

#### **Carcinogenicity**

The hazard evaluation is based on data for components or a similar material.

#### **Reproductive toxicity**

The hazard evaluation is based on data for components or a similar material.

#### **Specific target organ toxicity (STOT) - single exposure**

The hazard evaluation is based on data for components or a similar material.

#### **Specific target organ toxicity (STOT) - repeated exposure**

The hazard evaluation is based on data for components or a similar material.

#### **Aspiration hazard**

The hazard evaluation is based on data for components or a similar material.

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## SECTION 12: Ecological information

#### **Toxicity**

This material is not expected to be harmful to aquatic organisms. The product has not been tested. The statement has been derived from products of a similar structure and composition.

#### **Persistence and degradability**

No data available on product

#### **Bioaccumulative potential**

No data available on product

#### **Mobility in soil**

No data available

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

No data available.

#### **Endocrine disrupting properties**

No data available.

#### **Other adverse effects**

No data available.

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## SECTION 13: Disposal considerations

#### **Disposal methods**

##### **Product disposal**

Dispose of in accordance with all applicable local, state and federal regulations.

##### **Packaging disposal**

Empty remaining contents.

Dispose of as unused product.

Do not re-use empty containers.

##### **Waste treatment**

This material, as supplied, is not a hazardous waste according to Federal regulations (40CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local

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regulations for additional requirements.

**Sewage disposal**  
Do not let product enter drains.

**Other disposal recommendations**  
This material, as supplied, is not a hazardous waste according to Federal regulations (40CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

SECTION 14: Transport information

**DOT (US)**  
UN Number: 3082  
Class: 9  
Packing Group: III  
Proper Shipping Name: Environmentally hazardous substances, liquid, n.o.s.  
Reportable quantity (RQ): Ethylene glycol: RQ kg=9080.00

**IMDG**  
UN Number: UN3082  
Class: 9  
Packing Group: III  
EMS Number: F-A, S-F  
Proper Shipping Name: UN3082, Environmentally hazardous substance, liquid, n.o.s. (Ethylene glycol, Diethyleneglycol), 9, III

**IATA**  
UN Number: UN3082  
Class: 9  
Packing Group: III  
Proper Shipping Name: UN3082, Environmentally hazardous substance, liquid, n.o.s. (Ethylene glycol, Diethyleneglycol), 9, III

SECTION 15: Regulatory information

| Component       | CAS no.  | RTK (US) for state: | TSCA (US) <sup>1</sup> | CA Prop. 65 <sup>2</sup> | pfas <sup>3</sup> |
|-----------------|----------|---------------------|------------------------|--------------------------|-------------------|
| Ethylene glycol | 107-21-1 | NJ, PA, MA          | P                      | r                        | -                 |

<sup>1</sup> "P"—Public list, "C"—Confidential list. <sup>2</sup> "c"—cancer, "r"—reproductive harm. <sup>3</sup> "pfas"—Per- and polyfluoroalkyl substances.

| Regulation                                        | Applicability                                                                                                             |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| SARA 311/312 Hazards                              | Acute Health Hazard, Chronic Health Hazard for: Ethylene glycol.                                                          |
| SARA 313 Components                               | The following components are subject to reporting levels established by SARA Title III, Section 313:<br>Ethylene glycol   |
| SARA 302 Components                               | No chemicals in this material [Ethylene glycol] are subject to the reporting requirements of SARA Title III, Section 302. |
| Massachusetts Toxic Use Reduction Act (TURA) list | Chemical name: Ethylene glycol<br>CAS number: 107-21-1                                                                    |
| Canadian Domestic Substances List (DSL)           | Chemical name: 1,2-Ethanediol<br>CAS number: 107-21-1                                                                     |
| EU Table of Harmonised Entries (Annex VI to CLP)  | Chemical name: ethanediol<br>CAS number: 107-21-1                                                                         |

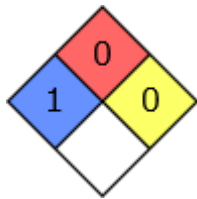
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|                                                                                        |                                                                          |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Washington State Chemicals of High Concern to Children (WAC 173-334-130)               | Chemical name: Ethylene glycol<br>CAS number: 107-21-1                   |
| Minnesota Chemicals of High Concern (Minn. Stat. 116.9401)                             | Chemical name: Ethylene glycol (ingested)<br>CAS number: 107-21-1        |
| Oregon High Priority Chemicals of Concern for Children's Health (HPCCCH, ORS 431A.253) | Chemical name: Ethylene glycol<br>CAS number: 107-21-1 (chronic effects) |
| Australian Inventory of Industrial Chemicals                                           | Chemical name: 1,2-Ethanediol<br>CAS number: 107-21-1, CR number: 2712   |

**HMIS Rating**

| Heavy Duty Extended Life Coolant predilute EG 50/50 |   |
|-----------------------------------------------------|---|
| HEALTH                                              | 1 |
| FLAMMABILITY                                        | 0 |
| PHYSICAL HAZARD                                     | 0 |
| PERSONAL PROTECTION                                 |   |

**NFPA Rating**



**SECTION 16: Other information**

**Preparation information**  
Issue Date: October 23, 2025  
Revision Date: November 07, 2025  
Revision Note: New Format. Updated NFPA rating.