# *Safety Data Sheet*

**Conforms to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) in Australia**
**Date of Revision: 09/06/2022** **Revision: 02**

## Section 1 - Chemical Product and Company Identification

**1.1 Product Name: Stay Frosty High-Performance**
**1.2 Synonyms:** Blend
**1.3 Manufacture:** VP Racing Fuels, Inc., 7124 Richter Road, Elmendorf, TX 78112, 210.635.7744.
**1.4 Supplier:** VP Racing Fuels Pty Ltd, Unit 24 85-115 Alfred Road, Chipping Norton, NSW 2170, Australia 02 9723 4233, **Emergency Telephone:** 0421 116 838.
**1.5 Recommended Use:** Automotive Engine Antifreeze & Coolant
**1.6 RESTRICTIONS on USE** ONLY IN ENGINE COOLING SYSTEMS

**1.7 Emergency Response Number: CHEMTREC 800-424-9300**

**International Emergency Telephone Number: +1-703-527-3887**

**CHEMTREC Australia (Sydney) +(61) 290372994**

**1.8 Poison Control Centre:** 13 11 26, 24 hours a day from anywhere in Australia.

## Section 2 - Hazards Identification

**2.1 GHS HAZARD**

| Hazard Classes | Hazard Categories |
|---|---|
| Acute Toxicity (Oral) | Category 4 |
| Eye Damage | Category 1 |
| Skin Irritation | Category 2 |
| Reproductive Toxicity | Category 2 |
| Harmful to aquatic life with long-lasting effects | Category 3 |

**2.2 Signal Word: Danger**

## 2.3 *Pictograms:*

Corrosive Health Irritant Keep away from children

## 2.4 *Hazard Statements*

**PHYLICAL HAZARD**

**HELATH HAZARDS:**

**H302: Harmful if swallowed.**
**H315: Causes skin irritation.**
**H318: Causes serious eye damage.**
**H361: Suspected of damaging fertility or the unborn child.**

**ENVIRONMENTAL HAZARDS:**

**H412: Harmful to aquatic life with long-lasting effect.**

**PRECAUTIONARY STATEMENTS:**

**P102: Keep out of reach of children.**
**P203: Obtain special instructions before use. READ SDS BEFORE USE.**
**P264: Wash hands thoroughly after handling.**
**P270: Do not eat, drink, or smoke when using this product.**
**P273: Avoid release to the environment.**
**P280: Wear protective gloves, clothing, and eye protection.**

**RESPONSE STATEMENTS:**

**P301 +P310+ P331: IF SWALLOWED: Immediately Call National POISON CENTER at 13 11 26, 24 hours a day from anywhere in Australia. DO NOT induce vomiting.**
**P302+P352: IF ON SKIN: Wash with plenty of water.**
**P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.**
**P305+P338+P351: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.**
**P308+P313: If exposed or concerned. Get medical attention.**
**P310: Immediately Call National POISON CENTER at 13 11 26, 24 hours a day from anywhere in Australia.**
**P313+P332: If skin irritation persists, get medical attention.**
**P330: Rinse mouth.**

**P362+P364: Take off contaminated clothing and wash it before reuse.**

**STORAGE STATEMENTS:** **Store locked up.**

**DISPOSAL STATEMENTS:** **P501: Dispose of content and container following local, regional, national, or international regulations.**

**2.5 Hazards not otherwise classified (HNOC) or not covered by GHS: AUH066**Repeated exposure may cause skin dryness and cracking.

## Section 3 - Composition / Information on Ingredients

**3.1**

| CAS# | EC# | Chemical Names | Percent | Classifications |
|---|---|---|---|---|
| 57-55-6 | 200-338-0 | Propane-1,2-diol | 35-40 | Not classified |
| 3164-85-0 | 221-625-7 | Potassium 2-Ethylhexanoate | 0.7-1.4 | Skin Irrit 2, H315, Eye Dam. 1 H318, Repr.2 H361 |
| 64665-53-8 | 265-002-8 | 4(or5)-methyl-1H-benzotriazole, potassium salt | 0.5-1 | Acute Tox. 3 H301, Eye Irrit. 2 H319, Acute Tox.3 H332. Aquatic 3 Chronic H412. |
| 9036-19-5 | 618-541-1 | Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethyl butyl)phenyl]-ω-hydroxy- | .008-0.03 | Acute Tox. 4 H302, Eye Dam. 1 H3318, Aquatic 3 Chronic H412. |
| 7732-18-5 | 231-791-2 | Water | 57-63 | Not classified |

**3.2 Trade Secret Provision and Chemical Concentration Disclosure:** In accordance with GHS Regulations, we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a range and apply to the hazards identified in this Safety Data Sheet.

## Section 4 - First Aid Measures

**44.1 Eye:** Contact with the eyes can cause serious damage. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**4 Skin:** Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and dermatitis.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

**4.3 Ingestion:** Causes headache, gastrointestinal pain, and nausea.

**Ingestion:** Do NOT induce vomiting. Get medical aid immediately.

**4.4 Inhalation:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

**4.5** ***After first aid, get appropriate paramedics or community medical support.*** The severity of outcome following exposure may be more related to the time between exposure and treatment than the amount of exposure. Therefore, there is a need for rapid treatment of any exposure.

**4.6 Note to Physicians: If you determine that a medical emergency exists and the specific chemical identity is necessary for emergency or first-aid treatment, we will immediately disclose the specific chemical identity. Call CHEMTREC 1-800-424-9300 or +1-703-527-3887. We will require a written statement of need and confidentiality agreement in accordance with OSHA's Trade Secret Regulations as soon as circumstances permit. In non-emergency situations, we will, upon written request, disclose a specific chemical identity.**

## Section 5 - Fire-Fighting Measures

**5.1 General Fire Hazards:** Not flammable. Use water to cool containers exposed to fire.

**5.2 Hazardous Combustion Products:** Avoid the fumes of burning products.

**5.3 Extinguishing Media:** Carbon dioxide, dry chemical, foam.

**5.4 Fire Fighting Equipment/Instructions:** Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

## Section 6 - Accidental Release Measures

**6.1 Spill /Leak Procedures:** Avoid breathing vapors.

**6.2 Spills:** Contain and collect spillage with absorbent material such as sand, earth, vermiculite, or diatomaceous earth and place it in a container for disposal. Prevent entry to sewers and public waters. Notify authorities if the product enters sewers or public water.

## Section 7 - Handling and Storage

**7.1 Handling Precautions:** Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid ingestion and contact with eyes, skin, or clothing. Keep the container tightly closed. Avoid inhalation.

**7.2 Storage Requirements:** Store in a tightly closed container in a cool, dry, and well-ventilated area.

## Section 8 - Exposure Controls / Personal Protection

**8.1**

| Chemical Names | ACGIH- TLV | OEL | WEEL |
|---|---|---|---|
| Propane-1,2-diol | None shown | 10mg/m3 TWA | 10mg/m3 TWA |
| Potassium 2-Ethylhexanoate | None shown | None shown | None shown |
| 4(or5)-methyl-1H-benzotriazole, potassium salt | None shown | None shown | None shown |
| Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethyl butyl)phenyl]-ω-hydroxy- | None shown | None shown | 10mg/m3 TWA |

## 8.2

**ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value. OEL = Occupational Exposure Limits.**
**WEEL:** Workplace Environmental Exposure Level.
**TWA Means** "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded.

**8.3 Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**8.4 Contaminated Equipment:** Separate contaminated work clothes from street clothes and launder them before reuse. Remove this material from your shoes and clean personal protective equipment.

### 8.5 Personal protective equipment

**8.5.1** Respiratory protection
Where risk assessment shows that air-purifying respirators are appropriate, use a full-face respirator with a multi-purpose combination (US) or type AXBEK (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).

**8.5.2** Hand protection
Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011** or European EN374 Standard.
Full contact: Viton
Splash contact: Viton
Registered trademark of The Chemours Company FC, LLC.

**8.5.3** Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**8.5.4** Skin and body protection
The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the workplace.

### 8.6 Protective Clothing Pictograms

## Section 9 - Physical and Chemical Properties

### 9.1

**Physical State:** Liquid
**Appearance:** Purple
**Odor:** Aromatic Odorless
**Vapor Pressure:** Not Available
**Vapor Density (Air=1):** Not Available
**Specific Gravity ($H_2O$=1):** Not Available
**Relative Density:** 1 Not Available
**Odor Threshold:** Not Available
**Flammability (solid, gas):** *Not Applicable*
**Evaporation rate:** Slight
**Partition coefficient octanol/water:** Not Available

**Water Solubility:** Complete
**Flash Point:** Not Available
**Boiling Point:** Not Available
**Freezing/Melting Point:** 0°F, -17.7°C
**LEL:** Not Available
**UEL:** Not Available
**Viscosity:** Not Available
**Autoignition Temperature:** Not Available
**Decomposition temperature:** Not Available
**pH:** 8.5

## Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under ordinary conditions of use and storage.

**10.2 Polymerization:** Hazardous polymerization has not been reported.

**10.3 Chemical Incompatibilities:** Strong oxidizing agents.

**10.4 Hazardous Decomposition Products:** Combustion produces carbon monoxide and carbon dioxide.

**10.5 Conditions to Avoid:** Avoid heat, sparks, open flames, and other ignition sources.

## Section 11- Toxicological Information

### 11.1

Acute Toxicity Estimate for this blend (ATE)
ATE (Oral): 1833 mg/kg
ATE (Dermal): No indication of significant effect in humans.
ATE (Inhalation vapor/mist): No indication of significant effect in humans.

**11.1.1** OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause Oral Toxicity.

**11.11.2** OECD Guideline Test results found in the European Chemical Agency Database show that no components of this product are Inhalation Toxicity.

**11.11.3** OECD Guideline Test results found in the European Chemical Agency Database show no components of this product are Dermal Toxicity.

**11.2 Route of Entry:** Skin and Eye Contact.

**11.3 Aspiration Hazard:** European Chemical Agency Database shows that no components of this product may be fatal if swallowed and enters airways.

**11.4 Mutagenicity:** OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause genetic defects.

**11.5 Skin Corrosion/Irritation:** OECD Guideline Test results found in the European Chemical Agency Data Base show that this product's components cause skin corrosion and irritation.

**11.6 Serious Eye Damage/Irritation:** OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause serious eye damage.

**11.7 Reproductive toxicity:** OECD Guideline Test results found in the European Chemical Agency Database show components of this product cause damage to fertility or the unborn child.

**11.8 Skin Sensitization** OECD Guideline Tests results found in the European Chemical Agency Database show no components of this product to cause skin sensitivity.

**11.9 Respiratory Sensitization** OECD Guideline Tests results found in the European Chemical Agency Database show no components of this product to cause respiratory sensitivity.

**11.10 Specific Target Organ Toxicity (Single Exposure):** Causes skin irritation and eye damage.

**11.11 Target Organ Toxicity (Repeated Exposure):** Causes skin irritation and eye damage.

**11.12 Signs and Symptoms:** Contains material that may include discomfort or pain, redness to the eyes, and skin irritation.

**11.13 Carcinogenicity:** OECD Guideline Test results found in the European Chemical Agency Database show that no product components cause cancer.

## Section 12 - Ecological Information

**12.1**

| Product Name | Results | Species | Exposure |
|---|---|---|---|
| Propane-1,2-diol | LC50 40,613 mg/l | Fish | 96 hours |
| Propane-1,2-diol | LC50 16,340 mg/l | Daphnia | 48 hours |
| Propane-1,2-diol | ErC50 19,000 mg/l | Algae | 96 hours |
| Potassium 2-Ethylhexanoate | None shown | | |
| 4(or5)-methyl-1H-benzotriazole, potassium salt | None shown | | |
| Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethyl butyl)phenyl]-ω-hydroxy- | LC50 0.26 mg/l | Fish | 96 hours |
| Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethyl butyl)phenyl]-ω-hydroxy- | EC50 0.011 mg/l | Daphnia | 48 hours |
| Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethyl butyl)phenyl]-ω-hydroxy- | EC50 1.9 mg/l | Algae | 96 hours |

**Toxicity:** OECD Guideline Test results found in the European Chemical Agency Database show components of this product to cause long-term harmful toxicity to aquatic life.

**12.2 Mobility:** Inconclusive technical data.

**12.3 Persistence/degradability:** Inconclusive technical data.

**12.4 Bioaccumulation:** Inconclusive technical data.

**12.5 Other adverse effects:** Inconclusive technical data.

## Section 13 - Disposal Considerations

**13.1 Disposal: DO NOT REUSE EMPTY CONTAINER!** The container should be completely emptied before being discarded. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

## Section 14 - Transport Information

**14.1 Australian Transport Information**
**NOT Regulated**
**14.2 IMDG Transport Information**
**NOT Regulated**
**14.3 UN Dangerous Goods Transport Information**
**NOT Regulated**

## Section 15 - Regulatory Information

**15.1**
**Australian manufacturers and importers' obligations under the WHS Regulations:** All components of this product are on the Inventory or are exempt from Inventory requirements.

## Section 16 - Other Information

**16.1 Disclaimer:** The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall determine the product's suitability for their particular purpose and assume the risk of its use.

**16.2 References:** CHEMpendium database of Canadian Centre for Occupational Health and Safety (CCOHS), European Chemical Agency Data Base, and MSDS and SDS of chemicals in this mixture.

**16.3 SDS Preparation Date** 08/01/2019
**SDS Previous issue Date:** None
**SDS Revision Date:** 08/14/2019 Revised sections: 2,3,8,11,12,16
**SDS Revision Date:** 09/05/2022 Revised sections: 2,3,8,11,12,16

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END OF SAFETY DATA SHEET