Section 1 – Product and Company Identification

Product Name: UNIVERSAL GOLD 34
Product Code: PUG34
Primary Use(s): Automotive/Truck Antifreeze & Coolant

Manufactured By: Coastline Chemical Inc.
30470 Energy Drive
New Church, VA 23415, USA
www.prideantifreeze.com

Telephone (General) 757.824.3831
EMERGENCY TELEPHONE CHEMTREC (800) 424-9300

Section 2 – Hazard Identification

Physical State: Liquid, clear gold color
Odor: Mild, sweet odor
Emergency Overview: This product presents no specific emergency hazard

Signal Word(s): WARNING
Hazard Statements: Causes Eye Irritation Causes Skin Irritation Harmful/Toxic If Swallowed

Hazard Symbol: (H373) May cause kidney damage (H302) Harmful if swallowed
GHS Classifications:
- Acute Oral Toxicity 5
- Acute Dermal Toxicity 5
- Acute Inhalation Toxicity 5
- Serious Eye Damage/ Eye Irritation 2B
- Corrosion/Irritation Skin 3

Section 3 – Composition/Ingredient Information

<table>
<thead>
<tr>
<th>NAME</th>
<th>CAS No</th>
<th>EU INVENTORY</th>
<th>PERCENTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethane 1,2 - diol (monoethylene glycol)</td>
<td>107-21-1</td>
<td>203-473-3</td>
<td>45 – 49</td>
</tr>
<tr>
<td>2-(2 hydroxyethoxy) ethan-1-ol (diethylene glycol)</td>
<td>111-46-6</td>
<td>203-872-2</td>
<td>1 – 3</td>
</tr>
<tr>
<td>Water &amp; proprietary additives</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>balance</td>
</tr>
</tbody>
</table>
### Section 4 – First Aid Measures

**Eye Contact**
Remove corrective lenses. Wash with cool water including under eyelid for 15 mins. See doctor if irritation persists.

**Skin Contact**
Remove affected clothing. Wash with mild soap and water. Apply lotion for redness.

**Inhalation**
Remove person to fresh air.

**Ingestion**
Wash mouth and other contacted parts with water. Never give anything by mouth to an unconscious person. If conscious, give 1-2 glasses of water. Avoid alcohol. Contact doctor or poison control center.

**Physical Notes**
N/A

### Section 5 – Fire Fighting Measures

<table>
<thead>
<tr>
<th>Flash Point</th>
<th>Flash Point &gt; 200 deg. F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combustion</td>
<td>Carbon Dioxide, Ash, Water</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Water, Foam, ABC Extinguisher</td>
</tr>
<tr>
<td>Special Hazards</td>
<td>Unknown</td>
</tr>
<tr>
<td>Special Protective Equipment</td>
<td>Face Shield, Gloves, Self-contained air supply</td>
</tr>
</tbody>
</table>

### Section 6 – Accidental Release Measures

**Personal Precautions**
Safety Glasses and Gloves.

**Environmental Precautions**
Collect product or waste and offer to environmental waste disposal company

**Cleanup Methods**
Absorb and/or collect all spilled material put in suitable container and send to suitable hazmat collection service or landfill.

### Section 7 – Handling and Storage

**Handling**
Only use suppliers approved and labelled containers

**Storage**
Store in clean, dry, ventilated place

### Section 8 – Exposure Control and Personal Protection

**Preventive Measures**

**Engineering Controls**
ONLY USE SUPPLIED CONTAINER

Provide fresh air at all times

**Personal Protection (recommended)**

- **Eyes**
  - Wear safety glasses when transferring product

- **Skin**
  - Wear gloves when transferring product

- **Respiratory**
  - Normal ventilation is sufficient

- **Hands**
  - Wear rubber gloves when transferring product
### Section 9 – Physical and Chemical Properties

#### Appearance
- Physical State: Liquid
- Color: Clear Gold
- Odor: Characteristic
- Odor Threshold: Unknown

#### Important Health, Safety, Environmental Information
- **pH (as supplied):** 8.5 – 9.5
- **Boiling Point:** Above 200 deg. F
- **Pour Point/Freezing (as supplied):** Freeze Point -34F/-37C
- **Flash Point:** 260F/127C
- **Oxidizing Properties:** None
- **Vapor Pressure:** 0.12 mm Hg @20C
- **Specific Gravity:** 1.04 - 1.06
- **Water Solubility:** Soluble
- **Vapor Density (air =1):** 2.1

### Section 10 – Stability and Reactivity
- **Stability and Reactivity:** Stable
- **Incompatibility with various substances:** Do not mix with strong acids
- **Hazardous polymerization:** Will not occur
- **Hazardous decomposition products:** When heated to decomposition, may emit toxic fumes

### Section 11 – Toxicological

#### Potential Acute Health Effects (ingredient)
- monoethylene glycol: 
  - LD oral rat = 4000 mg/kg; LD50 dermal rat = 9500 mg/kg
  - LD50 oral rat = 12565 mg/kg; LD50 dermal rat = 11890 mg/kg
- diethylene glycol: 
  - Can cause irritation to mouth, throat, and stomach. Large volume ingestion may cause depression of central nervous system.

#### Potential Chronic Health Effects
- **Chronic Effects:** None expected under normal use conditions
- **Carcinogenicity:** Neither product nor its ingredients are listed by IARC, NTD or OSHA
- **Mutagenicity:** Not mutagenic
- **Teratogenicity:** Not Teratogenic

### Section 12 – Ecological Information
- **Aquatic Toxicity:** May be toxic to aquatic organisms

### Section 13 – Disposal Considerations
- **Waste Disposal Method:** Dispose of waste through hazardous waste contractor/recycler.
- **Container Cleaning and Disposal:** Containers should be cleaned of residual product before disposal.
SECTION 14 – TRANSPORT INFORMATION

DOT Proper Shipping Name: Ethylene Glycol
Shipping Symbols: Environmental Hazard
Hazard Class: Environmental Hazard
UN Number: Not regulated unless shipping container holds at least 10,539 pounds.
Packing Group: Not applicable
Label: Not applicable
Special Provisions (172.102): Not applicable

Bulk Shipments
DOT Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Ethylene glycol)
UN Number: UN 3082
Label Requirement: Class 9, UN 3082

SECTION 15 – REGULATORY INFORMATION

EPA Regulations
RCRA Hazardous Waste Number and RCRA Hazardous Waste Classification: Unused product is not classified as a hazardous waste by RCRA criteria

CERCLA Hazardous Substance and CERCLA Reportable Quantity: Does not contain any ingredients listed as a CERCLA hazardous substance.

SARA Toxic Chemical and SARA EHS: Contains following substance which is listed in Title III: Ethylene Glycol.
SARA 313 Information:
SARA Hazard Category: An immediate health hazard A delayed health hazard

OSHA Regulations:

State Regulations
Other:

CANADIAN WHMIS CLASSIFICATION: Class D, Division 2, Subdivision B (A toxic material causing other chronic effects)

SECTION 16 – OTHER INFORMATION

Additional Hazard Rating Systems: HMIS(USA) Health=1, Fire=1, Reactivity=0
Disclaimer: THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE RELIABLE. BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.

The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not apply.

CONSULT Company listed in Section 1. FOR FURTHER INFORMATION.

Revised 5-05-2015

SDS: Pride Universal Gold 34 PREMIX Antifreeze/Coolant