



# Sta-Clean PG 50/50 Antifreeze

## Safety Data Sheet

according to Federal Register / Vol 77, No. 58 / Monday, March 26, 2012 Rules and Regulations

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

#### 1.1 Product Identifier

Product form Mixture  
Product name Sta-Clean PG 50/50 Antifreeze

#### 1.2 Relevant Identified Uses of the substance or mixture and uses advised against

Use of the substance/mixture Heavy Duty Engine Coolant

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

Sta Clean Products  
2229 Coy Ave.  
Bakersfield, CA 93307 - USA  
T 800 825-3464  
[www.stacleanantifreeze.com](http://www.stacleanantifreeze.com)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

GHS-US classification  
Not Classified

#### 2.2 Label elements

GHS-US labeling  
Signal word (GHS-US) : None  
Hazard statements (GHS-US) : None  
Precautionary statements (GHS-US) : None

#### 2.3 Other Hazards

No additional information available

#### 2.4 Unknown acute toxicity (GHS-US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1 Substance

Not Applicable

#### 3.2 Mixture

| Name             | Product identifier | % by wt | GHS-US classification |
|------------------|--------------------|---------|-----------------------|
| Propylene Glycol | (CAS No) 57-55-6   | > =50   | Not classified        |
| Water            | (CAS No) 7732-18-5 | > =50   | Not classified        |

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

First-aid measures after inhalation : If breathing is difficult remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Rinse mouth. Obtain emergency medical attention

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

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Symptoms/injuries after skin contact : Contact during a long period may cause slight irritation.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely to be irritating

Symptoms/injuries after ingestion : Excessive ingestion

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray. Alcohol-resistant foam. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media : Do not use heavy water stream.

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

Fire hazard : No particular fire or explosion hazard

Reactivity : Stable

### 5.3 Advice for firefighters

Special protective equipment for fire fighter : Protective fire fighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves). Wear positive pressure self-contained breathing apparatus (SCBA)

## SECTION 6 Accidental release measures

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

6.1.1 For non emergency personnel No additional information available

6.1.2 For emergency responders No additional information available

6.2 Environmental precautions Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product has caused environmental pollution.

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

For containment : Collect spillage. Contain released substance, pump into suitable containers.

Methods for cleaning up : Notify authorities if product enters sewers or public waters. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, as per local legislation.

### 6.4 Reference to other sections

No additional information available

## SECTION 7 Handling and storage

### 7.1 Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

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

Storage conditions : Keep container closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 7.3 Specific end use(s)

No additional information available

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### SECTION 8 Exposure controls/personal protection

#### 8.1 Control parameters

| Sta-Clean PG 50/50 Antifreeze |                |
|-------------------------------|----------------|
| ACGIH                         | Not applicable |
| OSHA                          | Not applicable |

#### 8.2 Exposure controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | Avoid creating mist or spray. Avoid splashing. Ensure good ventilation of the work station. |
| Hand protection                  | Not required for normal conditions of use.  |
| Eye protection                   | In case of splashing or aerosol production: protective goggles.                             |
| Respiratory protection           | In case of inadequate ventilation wear respiratory protection. Wear appropriate mask.       |

### SECTION 9 Physical and chemical properties

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

|  |                                       |
|--|---------------------------------------|
| Physical state                             | Liquid                                |
| Color                                      | Yellow-Green                          |
| Odor                                       | Odorless                              |
| Odor threshold                             | No data available                     |
| pH   | 9-10                                  |
| Relative evaporation rate (butylacetate=1) | slight                                |
| Freezing point                             | -34 °C (-28°F)                        |
| Boiling Point                              | 106 °C (222 °F)                       |
| Flash point                                | None. Percentage of water is over 20% |
| Auto-Ignition temperature                  | No data available                     |
| Decomposition temperature                  | No data available                     |
| Flammability (solid, gas)                  | No data available                     |
| Vapor Pressure                             | < 0.01 kPa (< 0.1 mm Hg)              |
| Relative vapor density at 20°C             | No data available                     |
| Specific Gravity                           | 1.04                                  |
| Density                                    | 1.04 kg/l (8.7 lbs/gal)               |
| Solubility                                 | Water: Complete                       |
| Log Pow                                    | No data available                     |
| Log Kow                                    | No data available                     |
| Viscosity, kinematic                       | No data available                     |
| Viscosity, dynamic                         | No data available                     |
| Explosive properties                       | No data available                     |
| Oxidizing properties                       | No data available                     |
| Explosive limits                           | 2.6 - 12.5 vol % Estimated            |

#### 9.2 Other Information

No additional information available

### SECTION 10 Stability and reactivity

#### 10.1 Reactivity

Stable

#### 10.2 Chemical stability

Stable

#### 10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur

#### 10.4 Conditions to avoid

Heat. Open flame. Sparks.

#### 10.5 Incompatible materials

Keep away from strong acids, strong bases and oxidizing agents.

#### 10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide

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### SECTION 11 Toxicological information

#### 11.1 Information on toxicological effects

|  |   |
|--|---|
| Acute toxicity                                     | Not classified  |
| Skin corrosion/irritation                          | Not classified  |
| Serious eye damage/irritation                      | Not classified  |
| Respiratory or skin sensitisation                  | Not classified  |
| Germ cell mutagenicity                             | Not classified  |
| Carcinogenicity                                    | Not classified  |
| Reproductive toxicity (single exposure)            | Not classified  |
| Specific target organ toxicity (repeated exposure) | Not classified  |
| Aspiration hazard                                  | Not classified  |
| Symptoms/injuries after skin contact               | Contact during a long period may cause slight irritation.     |
| Symptoms/injuries after eye contact                | May cause slight irritation.                                  |
| Symptoms/injuries after ingestion                  | Excessive ingestion may cause central nervous system effects. |

### SECTION 12 Ecological information

#### 12.1 Toxicity

| Propylene glycol (57-55-6)                |   |
|---|---|
| LC50 fish 1                               | 51,400 mg/l (96 h; Pimephales promelas)     |
| LC50 other aquatic organisms 1            | > 1,000 mg/l (96 h)                         |
| EC50 Daphnia 1                            | 34,400 mg/l (48 h; Daphnia magna)           |
| LC50 fish 2                               | 51,600 mg/l (96 h; Oncorhynchus mykiss)     |
| TLM fish 1                                | > 1,000 ppm (96 h; Pisces)                  |
| TLM other aquatic organisms 1             | > 1,000 ppm (96 h)                          |
| Threshold limit other aquatic organisms 1 | > 1,000 mg/l (96 h)                         |
| Threshold limit algae 1                   | < 15,000 mg/l (336 h; Skeletonema costatum) |
| Threshold limit algae 2                   | < 5,300 mg/l (336 h; Skeletonema costatum)  |

#### 12.2 Persistence and degradability

| Propylene glycol (57-55-6)      |  |
|---------------------------------|--|
| Persistence and degradability   | Readily biodegradable in water. Biodegradable in the soil. |
| Biochemical oxygen demand (BOD) | 0.96 - 1.08g O <sub>2</sub> /g substance                   |
| Chemical oxygen demand (COD)    | 1.63g O <sub>2</sub> /g substance                          |
| ThOD                            | 1.63g O <sub>2</sub> /g substance                          |
| BOD (% of ThOD)                 | 0.57 % ThOD  |

#### 12.3 Bioaccumulative potential

| Propylene glycol (57-55-6) |                     |
|----------------------------|---------------------|
| Log Pow                    | -1.41 - -0.3        |
| Bioaccumulative potential  | Not bioaccumulative |

#### 12.4 Mobility in soil

| Propylene glycol (57-55-6) |                  |
|----------------------------|------------------|
| Surface tension            | 0.036 N/m (25°C) |

#### 12.5 Other adverse effects

|                           |  |
|---------------------------|--|
| Effects on ozone layer    | No known effect on the ozone layer                 |
| Effects on global warming | No known ecological damage caused by this product. |

### SECTION 13 Disposal considerations

#### 13.1 Waste treatment methods

|                                |  |
|--------------------------------|--|
| Waste disposal recommendations | Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations. |
|--------------------------------|--|

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### SECTION 14 Transport information

In accordance with DOT  
Not considered a dangerous good for transport regulations

Additional information Not regulated

ADR  
No additional information available

Transport by sea  
No additional information available

Air transport  
No additional information available

### SECTION 15 Regulatory information

#### 15.1 US Federal regulations

|                               |                                       |
|-------------------------------|---------------------------------------|
| Sta-Clean PG 50/50 Antifreeze |                                       |
| EPA TSCA Regulatory Flag      | All components are listed or exempted |

#### 15.2 International regulations

##### CANADA

|                               |  |
|-------------------------------|--|
| Sta-Clean PG 50/50 Antifreeze |  |
| WHMIS Classification          | This product is not a WHMIS controlled product in Canada. Refer elsewhere in the SDS for specific warnings and safe handling information. Refer to the employer's workplace education program. |

EU-Regulations  
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]  
Not classified

National Regulations  
No additional information available

#### 15.3 US State regulations

No additional information available

### SECTION 16 Other information

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For additional information contact SDS Coordinator Sta Clean Products during business hours. PST