



Sta-Clean PG Concentrate 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 Concentrate 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

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	94-96	Not classified
Water	(CAS No) 7732-18-5	> =4	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 Antifreeze Concentrate	
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 - 10.5
Relative evaporation rate (butylacetate=1)	slight
Freezing point	No data available
Boiling Point	154 °C (310 °F)
Flash point	104 °C (219 °F) Method used: Pensky-Martens Closed Cup
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	2.6
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 ₂ /g substance
Chemical oxygen demand (COD)	1.63g O ₂ /g substance
ThOD	1.63g O ₂ /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 Antifreeze Concentrate	
EPA TSCA Regulatory Flag	All components are listed or exempted

15.2 International regulations

CANADA

Sta-Clean PG Antifreeze Concentrate	
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

Sta Clean Products makes no warranty representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the users responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty expressed or implied is made by Sta Clean Products as to the effects of such use, the results to be obtained or the safety and toxicity of this product nor does Sta Clean Products assume liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

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