

# Gas Line Antifreeze

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Gas Line Antifreeze
<b>Other Means of Identification</b>	25-139, 15-316, 44-078, 25-139REC, 35-313PRES
<b>Other Identification</b>	Isopropyl Alcohol
<b>Recommended Use</b>	Please refer to Product label.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer/Supplier Identifier</b>	Recochem Inc., 850 Montee de Liesse, Montreal, QC, H4T 1P4, Compliance and Regulatory Department, 905-878-5544, <a href="http://www.recochem.com">www.recochem.com</a>
<b>Emergency Phone No.</b>	CANUTEC, 613-996-6666, 24 Hours
<b>SDS No.</b>	1828

## SECTION 2. HAZARD IDENTIFICATION

### Classification

Flammable liquid - Category 2; Eye irritation - Category 2A; Specific target organ toxicity (single exposure) - Category 3

### Label Elements



Signal Word:

Danger

Hazard Statement(s):

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary Statement(s):

Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, lighting, and other equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust, fume, gas, mist, vapours or spray.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/eye protection/face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Product Identifier: Gas Line Antifreeze - Ver. 1

Date of Preparation: May 05, 2017

Date of Last Revision:

SDS No.: 1828

Page 01 of 08

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTRE or doctor if you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice/attention. carbon dioxide  
dry chemical powder  
water spray or fog

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

#### Other Hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
2-Propanol	67-63-0	80-100		

#### Notes

Use of Generic SDS:

If the concentration or actual concentration range of an ingredient of a particular hazardous product in the series is different from the concentration or actual concentration range disclosed for the rest of the series, either the concentration or the actual concentration range must be indicated beside that ingredient under item 3 (Composition/Information on ingredients) of the SDS. Furthermore, if any other specific information element(s) (such as flash point, numerical measure of toxicity, etc.) for a particular hazardous product in the series differs from that of the other products in the series (without affecting the classification), the information element relevant to that hazardous product must be disclosed on the SDS with an indication to which hazardous product each relates.

Source: Health Canada - Technical Guidance on the Requirements of the Hazardous Products Act and the Hazardous Products Regulations WHMIS 2015 Supplier Requirements - pg 117

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. Call a Poison Centre or doctor if you feel unwell.

#### Skin Contact

Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Call a Poison Centre or doctor if you feel unwell.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

#### Ingestion

Rinse mouth with water. Call a Poison Centre or doctor if you feel unwell. Do not induce vomiting.

Product Identifier: Gas Line Antifreeze - Ver. 1

Date of Preparation: May 05, 2017

Date of Last Revision:

SDS No.: 1828

Page 02 of 08

### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

### Most Important Symptoms and Effects, Acute and Delayed

None known.

### Immediate Medical Attention and Special Treatment

#### Target Organs

Skin, nervous system, eyes.

#### Special Instructions

Not applicable.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Small fire: Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog. Large fire: Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Product

Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapour forms explosive mixture with air between upper and lower flammable limits.  
Not known to generate any hazardous decomposition products in a fire.

### Special Protective Equipment and Precautions for Fire-fighters

Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills.  
Fire-fighters should enter area wearing specialized protective equipment. (Bunker Gear will not provide adequate protection.).

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

May accumulate in hazardous amounts in low-lying areas especially inside confined spaces, if ventilation is not sufficient. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate downwind locations.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from

Product Identifier: Gas Line Antifreeze - Ver. 1

SDS No.: 1828

Date of Preparation: May 05, 2017

Date of Last Revision:

Page 03 of 08

a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Conditions for Safe Storage

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
2-Propanol	200 ppm	400 ppm	400 ppm	500 ppm		

### Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Control static electricity discharges which includes bonding of equipment to ground. Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	Available in these colours: Clear, Yellow, Gold, Red, Blue, Green, Amber, Pink, Orange, Purple, White, Brown. Particle Size: Not available
Odour	Alcoholic
Odour Threshold	7.6 - 49 ppm (18.6 - 120.2 mg/m3)
pH	Not available
Melting Point/Freezing Point	-88.9 °C (-128.0 °F) (melting); -88.9 °C (-128.0 °F) (freezing)
Initial Boiling Point/Range	82.5 °C (180.5 °F)
Flash Point	11.85 °C (53.33 °F) (closed cup)
Evaporation Rate	1.5 (n-butyl acetate = 1)
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	12% (upper); 2% (lower)
Vapour Pressure	44.3 mm Hg (5.9 kPa) at 20 °C
Vapour Density (air = 1)	2.07
Relative Density (water = 1)	0.785 at 20 °C
Solubility	Soluble in water; Soluble in all proportions in common organic solvents.

Product Identifier: Gas Line Antifreeze - Ver. 1

SDS No.: 1828

Date of Preparation: May 05, 2017

Date of Last Revision:

Page 04 of 08

<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	0.05 at 20 °C
<b>Auto-ignition Temperature</b>	399 °C (750 °F)
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	2.61 mm <sup>2</sup> /s at 25 °C (kinematic); 2.04 mPa.s at 20 °C (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid
<b>Molecular Weight</b>	60.09

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. Light. Prolonged storage. Temperatures above 12.0 °C (53.6 °F)

### Incompatible Materials

Increased risk of fire and explosion on contact with: strong oxidizing agents (e.g. perchloric acid). Reacts violently with: strong acids (e.g. hydrochloric acid), acid anhydrides (e.g. acetic anhydride).

Not corrosive to metals.

### Hazardous Decomposition Products

None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin absorption; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
2-Propanol	17000 ppm (rat) (4-hour exposure)	3600 mg/kg (mouse)	12890 mg/kg (rabbit)

### Skin Corrosion/Irritation

Human experience and animal tests show no or very mild irritation.

### Serious Eye Damage/Irritation

Animal tests show serious eye irritation. The vapour also irritates the eyes.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Harmful based on animal tests. Severe nose and throat irritation. At high concentrations depression of the central nervous system, harmful effects on the liver, lung injury.

May be harmful based on human experience. At low concentrations nose and throat irritation.

#### Skin Absorption

May be harmful At high concentrations.

#### Ingestion

May be harmful If large amounts are swallowed based on animal tests.

**Aspiration Hazard**

No information was located.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Causes If inhaled: effects on the central nervous system, harmful effects on the kidneys, harmful effects on the liver.

Causes If swallowed: at high concentrations harmful effects on the liver, harmful effects on the kidneys.

May cause Following skin contact: at high concentrations harmful effects on the heart.

**Respiratory and/or Skin Sensitization**

Not a respiratory sensitizer. Not a skin sensitizer.

**Carcinogenicity**

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Propanol	Group 3	A4	Not Listed	Not Listed

Not known to cause cancer.

**Reproductive Toxicity****Development of Offspring**

May harm the unborn child. However, these effects are only seen with significant toxicity in the mothers. If swallowed: has been associated with: decreased weight. May harm the unborn child. However, these effects are only seen with significant toxicity in the mothers. If inhaled: decreased weight. Embryotoxic (late resorptions).

**Sexual Function and Fertility**

Animal studies show effects on sexual function and/or fertility. However, these effects were seen in the presence of significant other toxicity. Has been associated with: effects in men. Animal studies show effects on sexual function and/or fertility. However, these effects were seen in the presence of significant other toxicity. If inhaled: effects in women.

**Effects on or via Lactation**

Does not cause effects on or via lactation.

**Germ Cell Mutagenicity**

Conclusions cannot be drawn from the limited studies available.

**Interactive Effects**

No information was located.

**SECTION 12. ECOLOGICAL INFORMATION**

This section is not required by WHMIS.

This section is not required by OSHA HCS 2012.

**Ecotoxicity****Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
2-Propanol	9640 mg/L (Pimephales promelas (fathead minnow); 96-hour)	7500-13299 mg/L (Daphnia magna (water flea); 48-hour)		> 2000 mg/L (Pseudokirchneriella subcapitata (algae); 72-hour)

**Persistence and Degradability**

No information was located.

**Bioaccumulative Potential**

No information was located.

**Mobility in Soil**

No information was located.

**Other Adverse Effects**

There is no information available.

Product Identifier: Gas Line Antifreeze - Ver. 1

Date of Preparation: May 05, 2017

Date of Last Revision:

SDS No.: 1828

Page 06 of 08

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1219	ISOPROPANOL; OR ISOPROPYL ALCOHOL	3	II
US DOT	1219	ISOPROPANOL; OR ISOPROPYL ALCOHOL	3	II

**Environmental Hazards** Not applicable

**Special Precautions** Please note: In containers of 1 L (1Kg) capacity or less this product is classified as a "Limited Quantities""Consumer Commodity" under TDG regulations.  
IB2, T4, TP1. In containers of 1 L (1Kg) this product is qualified as a "consumer commodity" ORM-D under DOT

### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### Proof of Dangerous Goods Classification

**Date of Classification** February 21, 2017  
**Technical Name** ISOPROPANOL; OR ISOPROPYL ALCOHOL  
**Classification** 3 PG II  
**Classification Method** Flashpoint as per Section 9

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

##### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

##### CEPA - National Pollutant Release Inventory (NPRI)

Part 1A.

Part 5.

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

Listed on the TSCA Inventory.

### Custom Regulatory 1

Consumer Product Safety Improvement Act of 2008 General Conformity Certification

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the

Product Identifier: Gas Line Antifreeze - Ver. 1

SDS No.: 1828

Date of Preparation: May 05, 2017

Date of Last Revision:

Page 07 of 08

product container.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Compliance and Regulatory Department  
**Phone No.** 905-878-5544  
**Date of Preparation** May 05, 2017  
**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
**Additional Information** We are committed to uphold the Industry Consumer Ingredient Communication Voluntary Initiative.  
Please send us your request by visiting our website at [www.recochem.com](http://www.recochem.com).

Ingredients present (intentionally added ingredients) at a concentration of greater than one percent (1%) shall be listed in descending order of predominance. Ingredients present at a concentration of not more than one percent shall be listed but may be disclosed without respect to order of predominance.

**Disclaimer** Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Product Identifier: Gas Line Antifreeze - Ver. 1  
Date of Preparation: May 05, 2017  
Date of Last Revision:

SDS No.: 1828

Page 08 of 08