



**Safety Data Sheet for
Isopropyl Gas Line Anti-freeze**
According to ISO 11014:2009

First Issue Date: 07-Feb-2023
Revision Date: 07-Feb-2023
Version: 0

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: Isopropyl Gas Line Anti-freeze.

Product codes: IPA, IPA 5, IPA55

Relevant identification uses of the substance and uses advised against:

Identified uses: Gas line anti-freeze.

Uses advised against: No other uses are advised.

Details of the Supplier of the Safety Data Sheet:

The Berkebile Oil Company

1216 Red Brant Rd

Somerset, PA 15501

+1-(814)-443-1656

Emergency telephone numbers:

24-hour Emergency Contact:

CHEMTRAC 24-hour: +1-800-424-9300 (USA)

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Hazard classes/Hazard categories:

Flammable liquid (Category 2)

Eye irritant (Category 2)

STOT SE (Category 3)

Label elements:

Hazard pictograms:



Signal word: Danger.

Hazard statements:

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements:

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.



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P264 + P265 Wash hands thoroughly after handling. Do not touch eyes.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

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

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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

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

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

P319 Get medical help if you feel unwell.

P337 + P317 If eye irritation persists: Get medical help.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/container in accordance with local/national regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	SCLs, M-Factors, Acute Toxicity Estimates (ATE)	Classification EC1272/2008
	EC-No.			
Propan-2-ol	67-63-0	90-99%	-	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336
	200-661-7			

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

General advice: Take off contaminated clothing and shoes immediately.

Inhalation: Move to fresh air.

Skin contact: Wash off with plenty of water.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Ingestion: Drink plenty of water. Do NOT induce vomiting. Obtain medical attention.

Most important symptoms and effects, both acute and delayed:

Irritation to the eyes, nose, throat; drowsiness, dizziness, headache; dry, cracking skin.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.



Section 5: Fire-Fighting Measures

Extinguisher media:

Suitable extinguishing media: Water spray, alcohol-resistant foam, Carbon dioxide (CO₂), dry powder.

Extinguishing media which shall not be used for safety reasons: High volume water.

Further information: Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Keep away from sources of ignition - No smoking.

Environmental precautions: Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

Methods for containment and cleaning up:

Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust).

Section 7: Handling and Storage

Precautions for safe handling:

Ensure adequate ventilation. Vapors are heavier than air and may spread along floors.

Advice on protection against fire and explosion: Keep away from sources of ignition - No smoking. Vapors may form explosive mixtures with air. Do not allow to enter drains (danger of explosion). Take precautionary measures against static discharges.

Conditions for safe storage, including incompatibilities:

Keep container tightly closed. Store between 5 and 25 °C in a dry, well-ventilated place away from sources of heat, ignition and direct sunlight.

Storage classification: 3; Flammable Liquids

Suitable materials: Stainless steel.

Specific end uses: Refer to Section 1.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits:

Isopropyl alcohol, CAS 67-63-0

NIOSH REL

TWA 400 ppm (980 mg/m³) ST 500 ppm (1225 mg/m³)

OSHA PEL

TWA 400 ppm (980 mg/m³)

Exposure controls:

Appropriate engineering controls: Use only outdoors or in a well-ventilated area.



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Individual protection measures, such as personal protective equipment:

Respiratory protection: No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odors exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g., where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

Hand protection: The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.

Splash protection:

Material: Polychloroprene

Break through time: >= 240 min

Material thickness: 0.5 mm

Unsuitable materials: Natural rubber/natural latex, Polyvinylchloride.

Eye protection: Tightly fitting safety goggles.

Hygiene measures: Take off all contaminated clothing immediately.

Protective measures: Avoid contact with the skin and the eyes. Do not breathe vapors or spray mist.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Liquid.

Color: Colorless.

Odor: Alcohol.

Odor threshold: No data available.

pH: 6 – 8

Melting point/range (°C): -88 °C

Boiling point/range (°C): 82 °C

Flash point (°C): 12 °C

Evaporation rate: No data available.

Flammability: Highly flammable liquid and vapor.

Upper/lower flammability limits: Upper: 12.7% Lower: 2%

Vapor pressure (20 °C): 44 hPa

Vapor density: No data available.

Relative density (25 °C): 0.79

Water solubility (g/L) at 20 °C: Soluble.

n-Octanol/Water partition coefficient: 0.05 @ 25 °C

Auto-ignition temperature: 399 °C

Viscosity, dynamic (mPa.s): No data available.

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: Stable under recommended conditions of use and storage.

Possibility of hazardous reactions: Vapors may form explosive mixture with air.

Conditions to avoid: Elevated temperatures, open flames and ignition sources.

Incompatible materials: Strong oxidizers, acetaldehyde, chlorine, ethylene oxide, acids, isocyanates.



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Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity: Oral route: No adverse effect observed LD50 5,840 mg/kg bw

Skin corrosion/irritation: No adverse effect observed (not irritating).

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: No data available.

Persistence and degradability: Readily biodegradable.

Bioaccumulative potential: Bioaccumulation is not significant. This product is readily biodegradable.

Mobility in soil: Very high mobility in soil.

Results of PBT& vPvB assessment: No data available.

Section 13: Disposal Considerations

Product: Following pre-treatment and observing the regulations for hazardous wastes, it must be taken to a permitted hazardous wastes landfill or hazardous wastes incinerator.

Contaminated packaging: Can be used after re-conditioning.

Section 14: Transport Information

UN number: 1219

Proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

Hazard class: 3

Packing group: II

Special precautions for user: Refer to Sections 6 – 8

Marine pollutant: No.





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Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding restrictions: None known.

EU Regulations:

Regulation EC 1272/2008 [EU-GHS/CLP]

US Regulations:

SARA Title III Section 311/312 Hazard Categorization: Fire Hazard, Acute Health Hazard, Chronic Health Hazard.

SARA Title III Section 313 Supplier Information: Isopropyl alcohol, CAS 67-63-0

CERCLA Section 102(a) Hazardous Substance: This material does not contain any chemical components with CERCLA reportable quantities.

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

State Regulations: Isopropyl alcohol, CAS 67-63-0 can be found on the following state right to know lists: New Jersey, Pennsylvania, and Massachusetts.

Chemical Safety Assessment carried out: No.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text):

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Disclaimer: Employers should use this information only as a supplement to other information gathered by them and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.