

PRODUCT IDENTIFICATION



Product Name: Arctic Assist 60/40 Technical Grade

CAS Number: 57-55-6

Molecular Formula: $C_3H_8O_2$

Molecular Weight: 76.09 g/mol

Grade: Technical Grade

Purity / Concentration: 60%

Synonyms: Not Available

PRODUCT OVERVIEW

Arctic Assist 60/40 Technical Grade is a stable, aqueous solution of propylene glycol designed for reliable industrial performance. With a specific gravity of 1.051 and a clear, colorless appearance, this product is engineered for consistent results in a wide variety of laboratory and general industrial applications.

Grade Significance: Technical Grade indicates that this product is formulated for general industrial and laboratory use where functional performance is prioritized over pharmaceutical or food-grade certification.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear, colorless liquid	Form	Liquid
Boiling Point	~107 °C	Melting / Freezing Point	-51 °C (freeze / crystallization onset)
Flash Point	Not flammable (aqueous solution)	Specific Gravity	1.051
Solubility	Fully miscible with water	Molecular Formula	$C_3H_8O_2$
Molecular Weight	76.09 g/mol		

APPLICATIONS

- HVAC and Refrigeration** — Utilized as a heat transfer fluid in secondary cooling systems to prevent freezing and maintain operational temperatures.
- Chemical Manufacturing** — Serves as a versatile solvent or chemical intermediate in the synthesis of various industrial compounds.
- Laboratory Research** — Used as a stabilizing agent or solvent for laboratory reagents where high-purity, non-hazardous properties are required.
- Automotive** — Functions as a base component for specialized antifreeze and coolant formulations designed for industrial machinery.
- Industrial Cleaning** — Acts as a carrier or solvent in the development of heavy-duty industrial cleaning and degreasing solutions.

STORAGE & HANDLING

Proper storage in a cool, dry, and well-ventilated area is essential to maintain the integrity and purity of the solution. While the product is not classified as hazardous, keeping containers tightly sealed prevents contamination and ensures the concentration remains at the specified 60% level for reliable performance.

AVAILABLE PACKAGING

- 1 Quart
- 1 Gallon
- 5 Gallon
- 15 Gallon
- 55 Gallon
- 275 Gallon
- 330 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: **Warning**

No GHS pictograms assigned.

Hazard Statements:

- Not Classified
- Reported as not meeting GHS hazard criteria by 6762 of 6899 companies (only 2% companies provided GHS information). For more detailed information, please visit ECHA C&L website.

Emergency Contact: CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

For complete safety information, refer to the Safety Data Sheet (SDS) for this product.

Alliance Chemical | 204 South Edmond St, Taylor, Texas 76574 | 512-365-6838 | www.alliancechemical.com

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