

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 high-quality, clear, and colorless liquid formulated with a 60% concentration of Propylene Glycol. Designed for general industrial and laboratory applications, this solution offers reliable performance with a specific gravity of 1.058.

Grade Significance: Technical Grade signifies that this product is manufactured for industrial and laboratory use where high functionality is required, though it is not intended for pharmaceutical or food-grade applications.

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	108°C (226°F)	Melting / Freezing Point	-48°C (-54°F)
Specific Gravity	1.058	Solubility	Fully miscible with water
Molecular Formula	$C_3H_8O_2$	Molecular Weight	76.09 g/mol

APPLICATIONS

- Industrial Manufacturing** — Utilized as a versatile heat transfer fluid in closed-loop systems to maintain optimal operating temperatures.
- Laboratory Research** — Serves as a reliable solvent and stabilizer for various experimental chemical processes and analytical testing.
- Automotive Maintenance** — Functions as a base component for specialized antifreeze and de-icing formulations in non-food contact applications.
- Chemical Processing** — Acts as an effective intermediate for synthesizing other chemical compounds in large-scale production environments.

STORAGE & HANDLING

Proper storage in a cool, dry, and well-ventilated area is essential to maintain the chemical integrity and shelf-life of Arctic Assist 60/40. While it is not classified as a hazardous material under GHS, keeping containers tightly sealed prevents contamination and moisture absorption that could alter its specific gravity or 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.

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