

PRODUCT IDENTIFICATION



Product Name: Arctic Assist
CAS Number: 57-55-6
Molecular Formula: $C_3H_8O_2$
Molecular Weight: 76.09 g/mol
Grade: Technical
Purity / Concentration: 100%
Synonyms: Arctic Aid, Cold Support

PRODUCT OVERVIEW

Arctic Assist is a specialized chemical formulation designed to enhance the performance of various industrial processes in cold environments. This product exhibits unique properties that facilitate optimal operation under low-temperature conditions, making it suitable for applications in refrigeration and cryogenics.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Purple dyed liquid, low viscosity	Odor	Slightly sweet odor
Form	Liquid	Boiling Point	165°C (329°F)
Melting / Freezing Point	-9°C (15.8°F)	Flash Point	62°C (143.6°F)
Specific Gravity	1.045	Solubility	Moderate organic solvent solubility
Molecular Formula	$C_3H_8O_2$	Molecular Weight	76.09 g/mol
Vapor Pressure (20°C)	15 mmHg	Viscosity (25°C)	1.2 cP
Refractive Index (20°C)	1.335	Density (25°C)	1.025 g/mL
Decomposition Temp.	No decomposition below 200°C		

APPLICATIONS

- Industrial** — Utilized as a coolant in refrigeration systems to enhance thermal efficiency.
- Research Laboratory** — Serves as a medium for maintaining low temperatures in cryogenic experiments.
- Pharmaceutical** — Used to stabilize temperature-sensitive compounds during storage and transport.
- Chemical Processing** — Acts as a heat transfer medium in various chemical reactions requiring temperature control.
- Automotive** — Incorporated in anti-freeze formulations to lower the freezing point of liquids.

STORAGE & HANDLING

- Store in a cool, dry place away from direct sunlight.
- Use HDPE containers for compatibility and to prevent leaching.
- Avoid contact with strong oxidizing agents.
- Ensure proper ventilation when handling to minimize inhalation risks.
- Wear appropriate personal protective equipment (PPE) including gloves and goggles.

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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