

PRODUCT IDENTIFICATION



Product Name: Arctic Assist 50/50

CAS Number: 64742-47-8

Molecular Formula: C₁₂H₂₆

Molecular Weight: 170.33 g/mol

Grade: Laboratory Grade

Purity / Concentration: 50%

Synonyms: Not Available

PRODUCT OVERVIEW

Arctic Assist 50/50 is a Laboratory Grade chemical product distributed by Alliance Chemical. This pink-dyed, low-viscosity liquid is primarily used for general industrial and laboratory applications. While a Certificate of Analysis is not available, this product is known for its specific gravity of 1.045.

Grade Significance: Laboratory Grade chemicals, like Arctic Assist 50/50, are manufactured to a higher standard of purity than industrial grades. This ensures reliable and consistent results in laboratory and other sensitive applications where impurities could affect outcomes.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	pink dyed liquid, low viscosity	Form	Liquid
Boiling Point	165°C (329°F)	Melting / Freezing Point	-9°C (16°F)
Flash Point	62°C (144°F)	Specific Gravity	1.045
Solubility	Moderate organic solvent solubility	Molecular Formula	C ₁₂ H ₂₆
Molecular Weight	170.33 g/mol		

APPLICATIONS

- General Laboratory** — Arctic Assist 50/50 is suitable for various laboratory experiments and procedures. Its controlled purity makes it a reliable component in research and development settings.
- Industrial Cleaning** — This product can be used as a component in industrial cleaning solutions. Its properties aid in the removal of certain contaminants from equipment and surfaces.
- Coolant Systems** — Arctic Assist 50/50 can be used as a component in coolant systems. Its boiling point and specific gravity allow for efficient temperature regulation.
- Chemical Synthesis** — As a Laboratory Grade chemical, Arctic Assist 50/50 can be used as a reagent or solvent in chemical synthesis processes. Its purity ensures minimal interference with desired reactions.
- Research and Development** — Arctic Assist 50/50 can be used in research and development projects. The consistency of laboratory grade ensures reliability across experiments.
- Manufacturing** — This product can be used as a component in manufacturing processes. Its properties contribute to desired product characteristics.

STORAGE & HANDLING

Proper storage of Arctic Assist 50/50 is crucial to maintain its purity and prevent degradation. Although reported as not meeting GHS hazard criteria by most companies, it's essential to store it in a cool, dry place away from direct sunlight and incompatible materials to ensure its stability and prevent any potential hazards. Storing in tightly sealed containers will also help prevent contamination.

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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