

TECHNICAL DATA SHEET

Arctic Assist Technical Grade

Technical

CAS NUMBER

57-55-6

ALLIANCE CODE

arctic-assist

GENERATED

2026-08-31

REVISION

1.2

REVIEWED

2026-06-17 · Andre Taki

IDENTITY & COMPOSITION

PRODUCT NAME

Arctic Assist Technical Grade

ALLIANCE CODE

arctic-assist

GRADE

Technical

CONCENTRATION

—

CAS NUMBER

57-55-6 Adjudicated

FORMULA

C3H8O2 Adjudicated

MOLECULAR WEIGHT

76.09 g/mol Adjudicated

PRODUCT TYPE

mixture

SPECIFICATIONS

Not yet characterized — Specification limits for this product have not been published yet. Contact Technical Services for the current specification; lot-specific certificates ship with every order.

AVAILABLE GRADES SAME CAS, ALTERNATE GRADES AND CONCENTRATIONS

GRADE	CONCENTRATION	TYPICAL ASSAY	SKU
THIS GRADE Technical	—	—	current
USP Grade	59.96%	—	arctic-assist-60-40

GRADE	CONCENTRATION	TYPICAL ASSAY	SKU
USP Grade	49.97%	—	arctic-assist-50-50

Typical assay shown is the rolling-window mean from the sibling product's most recent lots. Grade selection drives downstream end-use — verify the sibling grade matches your specification before substitution.

PHYSICAL & CHEMICAL PROPERTIES

PROPERTY	VALUE	SOURCE
Appearance	Purple dyed liquid	Published reference
Odor	Mild, characteristic	Published reference
pH	9–10.5	Published reference
Specific Gravity (20 °C)	~1.05 (20 °C)	Published reference
Density	~1.05 g/mL at 20 °C	Published reference
Boiling Point	~185 °C	Published reference
Melting Point	~-60 °C (pour point; concentrate)	Published reference
Flash Point	~99 °C (210 °F) closed cup — combustible, not classified flammable (>93 °C)	Published reference
Solubility (water)	Miscible with water	Published reference

REGULATORY & TRANSPORT

DOT / 49 CFR

UN NUMBER

Not regulated **Adjudicated**

PACKING GROUP

Not regulated **Adjudicated**

HAZARD CLASS

Not regulated **Adjudicated**

PROPER SHIPPING NAME

Not regulated **Adjudicated**

GHS / OSHA HAZCOM 2012

SIGNAL WORD

Not regulated **Adjudicated**

H-CODES (HAZARD STATEMENTS)

— **no canonical**

P-CODES (PRECAUTIONARY STATEMENTS)

— **no canonical**

OCCUPATIONAL EXPOSURE LIMITS

OSHA PEL (29 CFR 1910.1000)

— **no canonical**

ACGIH TLV

— **no canonical**

NIOSH REL

— **no canonical**

NIOSH IDLH

— **no canonical**

Transport descriptions reflect 49 CFR 172.101 lookup at time of publication. Sourced data: ECHA CLP Annex VI for harmonised classifications, NIOSH Pocket Guide for REL/IDLH, OSHA Z-Tables for PEL. Always verify against the latest regulatory text before shipment-critical decisions.

APPLICATION GUIDANCE

Arctic Assist Technical Grade (Technical) is supplied as a mixture. Refer to the component composition section and consult Alliance Chemical Technical Services for application-specific formulation guidance.

- Application-specific formulation — contact technical services

STORAGE & HANDLING

RECOMMENDED STORAGE

Refer to component-specific SDS guidance.
Cool, dry, well-ventilated area unless component data dictates otherwise.
Class-level guidance — not product-specific; the SDS controls.

INCOMPATIBILITIES

Determined by component profile — consult SDS.
Class-level guidance — not product-specific; the SDS controls.

HANDLING PRECAUTIONS

PPE selected per most-hazardous component.
Refer to product SDS for full hazard profile.
Class-level guidance — not product-specific; the SDS controls.

SHELF LIFE

Consult Technical Services for product-specific shelf life

For full hazard, PPE, and emergency response guidance, refer to the Safety Data Sheet (SDS) for this product. The SDS controls in all cases where guidance differs.

PACKAGING & LOGISTICS

SHIPPING DESCRIPTION (US DOT)

Not regulated for transport.

Confirm against shipping documents and carrier requirements before tender.

NMFC CLASS
55

REVISION HISTORY

Last reviewed 2026-06-17 by Andre Taki, DOT Hazmat Specialist.

VERSION	DATE	CHANGE	TRIGGER
1.2	2026-07-24	Canonical data updated: 1 field changed via the provenance/adjudication pipeline. physicalProperties · canonical change (coa.data_provenance / adjudication)	canonical_change

VERSION	DATE	CHANGE	TRIGGER
1.1	2026-06-17	Canonical data re-verified: 6 fields updated against independent vendor SDSs, CLP Annex VI, 49 CFR, and OSHA HazCom 2024 (GHS classification, hazard/precautionary codes, signal word, physical properties as applicable). - casNumber · canonical adjudication / reground (coa.data_provenance) - countryOfOrigin · canonical adjudication / reground (coa.data_provenance) - dotSubsidiaryHazardClass · canonical adjudication / reground (coa.data_provenance) - formula · canonical adjudication / reground (coa.data_provenance) - hsCode · canonical adjudication / reground (coa.data_provenance) - molecularWeight · canonical adjudication / reground (coa.data_provenance)	canonical_change
1.0	2026-05-20	Initial URL—first TDS published from canonical chemistry registry.	initial

This Technical Data Sheet is provided for technical reference. The Safety Data Sheet (SDS) controls in all cases where guidance differs. Values reflect Alliance Chemical canonical data at time of generation; subsequent revisions are recorded in the Revision History above.