

TECHNICAL DATA SHEET

5% Diluted Acetic Acid Food Grade

Food Grade · 5%

CAS NUMBER
64-19-7

ALLIANCE CODE
5-acetic-acid-food-grade

GENERATED
2026-07-17

1. IDENTITY & COMPOSITION

PRODUCT NAME
5% Diluted Acetic Acid Food Grade

ALLIANCE CODE
5-acetic-acid-food-grade

GRADE
Food Grade

CONCENTRATION
5%

CAS NUMBER
64-19-7 [PubChem](#)

FORMULA
C2H4O2 [PubChem](#)

MOLECULAR WEIGHT
60.05 [PubChem](#)

PRODUCT TYPE
solution

PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE
Clear, colorless liquid [Product record](#)

FORM
Liquid [Product record](#)

ODOR
Pungent, vinegar-like [Product record](#)

PH
2.3-2.5 (5% solution) [Product record](#)

SPECIFIC GRAVITY (20 °C)
~1.01 [Product record](#)

DENSITY
~1.01 g/cm³ [Product record](#)

BOILING POINT
~100 °C [Product record](#)

MELTING POINT
~0 °C [Product record](#)

FLASH POINT
Not flammable [Product record](#)

SOLUBILITY (WATER)
Miscible with water [Product record](#)

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

Danger **Adjudicated**

H-CODES (HAZARD STATEMENTS)

H314 **Adjudicated**

P-CODES (PRECAUTIONARY STATEMENTS)

P210, P233, P240, P241, P242, P243, P260, P264,
P280, P301+P330+P331, P303+P361+P353,
P304+P340, P305+P351+P338, P310, P321, P363,...

OCCUPATIONAL EXPOSURE LIMITS

OSHA PEL (29 CFR 1910.1000)

10 ppm TWA **OSHA 29 CFR 1910.1000**

ACGIH TLV

— **unknown**

NIOSH REL

10 ppm TWA / 15 ppm STEL **NIOSH Pocket Guide**

NIOSH IDLH

50 ppm **NIOSH Pocket Guide**

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.

Supplier Qualification Packet

One zipped download containing the TDS, SDS, latest lot COA (when available), and a fresh Letter of Continuing Guaranty for 5% Diluted Acetic Acid Food Grade. Every file included is SHA-256 hashed and listed in a manifest your QA team can audit.

CATALOG EQUIVALENTS CROSS-REFERENCE VS MAJOR CHEMICAL SUPPLIERS

HONEYWELL

SKU	GRADE	CONC.	MATCH	NOTES
33209	ACS	99.8%	Exact	Fluka ACS grade

SIGMA-ALDRICH

SKU	GRADE	CONC.	MATCH	NOTES
320099	ACS Reagent	99.7%	Exact	ACS Reagent ≥99.7%

Cross-references are informational. Confirm against the manufacturer's current specification before substitution. Competitor trademarks are property of their respective owners.

APPLICATION GUIDANCE

5% Diluted Acetic Acid Food Grade (Food Grade) application guidance is available on request. Contact Alliance Chemical Technical Services for grade-specific use recommendations.

STORAGE & HANDLING

RECOMMENDED STORAGE

Cool, dry, well-ventilated area in original sealed containers. Refer to product SDS for material-specific guidance.

INCOMPATIBILITIES

Consult the SDS for material-specific incompatibilities.

HANDLING PRECAUTIONS

Use standard chemical PPE — splash goggles, gloves, lab coat. Refer to SDS for hazard-specific PPE requirements.

SHELF LIFE

24 months from date of manufacture in sealed, original packaging

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.

REVISION HISTORY

Last reviewed 2026-05-20 by Hossein Taki, Vice President (Vice President, Alliance Chemical · CAGE Code 1LT50 · DOT Hazmat Registrant #2188383).

VERSION	DATE	CHANGE	TRIGGER
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.

ALLIANCE CHEMICAL

Order 5% Diluted Acetic Acid Food Grade

Bulk & packaged sizes · COA/SDS ships with every order