

PRODUCT IDENTIFICATION

**Product Name:** Nitric Acid ACS 69% - 55 Gallon Drum**CAS Number:** 7697-37-2**Molecular Formula:** HNO_3 **Molecular Weight:** 63.013 g/mol**Grade:** ACS Reagent Grade**Purity / Concentration:** 69%**Synonyms:** Not Available

PRODUCT OVERVIEW

Alliance Chemical offers Nitric Acid ACS 69% in a 55-gallon drum, providing a high-purity solution essential for rigorous laboratory and industrial applications. This ACS Reagent Grade acid is a colorless, fuming liquid with a specific gravity of 1.41, designed for processes requiring stringent chemical standards.

Grade Significance: ACS Reagent Grade signifies that the chemical meets the high purity standards set by the American Chemical Society, ensuring reliability and consistent results for sensitive analytical procedures.

CERTIFICATE OF ANALYSIS — TYPICAL VALUES

Certificate of Analysis data not available for this product.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	Colorless, fuming liquid	Form	Liquid
Boiling Point	Not characterized for the 69% solution	Melting / Freezing Point	Not characterized for the 69% solution
Specific Gravity	1.41	Solubility	Miscible with water and organic solvents
Molecular Formula	HNO_3	Molecular Weight	63.013 g/mol

APPLICATIONS

- Analytical Chemistry** — Used as a primary reagent for sample digestion and trace metal analysis in laboratory testing.
- Metal Processing** — Employed in metal etching and surface treatment to clean or texture metallic surfaces for manufacturing.
- Semiconductor Manufacturing** — Utilized for the cleaning and etching of silicon wafers where high purity is critical to prevent contamination.
- Pharmaceutical Production** — Acts as a key reagent in the synthesis of specialized chemical intermediates and active pharmaceutical ingredients.
- General Industrial** — Functions as a powerful oxidizing agent for various chemical synthesis and industrial cleaning processes.

STORAGE & HANDLING

Due to its corrosive nature and classification as an oxidizer, Nitric Acid must be stored in a cool, well-ventilated area away from incompatible materials like organics or reducing agents. Proper containment is vital to prevent severe respiratory irritation and to mitigate the risk of fire or structural metal corrosion.

AVAILABLE PACKAGING

- 55 Gallon

SAFETY SUMMARY (CROSS-REFERENCE TO SDS)

Signal Word: **Danger**



Hazard Statements:

- EUH071: Corrosive to the respiratory tract
- H272: May intensify fire; oxidiser
- H290: May be corrosive to metals
- H314: Causes severe skin burns and eye damage
- H331: Toxic if inhaled
- H271: May cause fire or explosion; strong oxidizer

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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