



Formic Acid 75%

CAS # 64-18-6

Formic Acid 75% is a clear, colorless, and corrosive organic acid with a pungent odor, commonly used in industrial and agricultural applications. It is the simplest carboxylic acid (chemical formula HCOOH) and occurs naturally in some ants and plants. Commercially, it is typically produced via the hydrolysis of methyl formate, which is generated from carbon monoxide and methanol under catalytic conditions. The 75% concentration balances potency with stability, making it suitable for controlled use in various chemical processes and formulations.

KEY FEATURES

- Biodegradable & Naturally Occurring – Low environmental persistence; breaks down into harmless by-products.
- Versatile Reactivity – Acts as a reducing agent and acidifier in various chemical, leather, and textile processes.
- Efficient in Transportation – Concentrated form reduces shipping volumes compared to dilute solutions.
- Safe Handling - Balanced concentration offers effective performance while remaining manageable in handling and storage.
- Versatile Reactivity – Acts as a reducing agent and acidifier in various chemical, leather, and textile processes.

APPLICATIONS

Formic Acid 75% is widely used across several industries due to its strong acidity and preservative properties. In agriculture, it is commonly applied as a silage additive to inhibit spoilage and enhance fermentation. In leather processing, it serves as a pH adjuster and pickling agent during tanning. The textile industry uses it for dye fixing and neutralization steps, while in industrial cleaning, it acts as an effective descaling and limescale removal agent. Additionally, it is used in chemical synthesis as a reducing agent and pH modifier.

PRODUCT SPECIFICATIONS

Items	Specifications
Acidity %	≥ 75
Colour Index Platinum Cobalt $\leq$	≤ 10
Diluting Test (Acid:Water=1:3)	Clear
Chloride (As Cl) %	≤ 0.0005
Sulfates (As SO_4) %	≤ 0.0005
Metals (As Fe) %	≤ 0.0005
Nonvolatilities %	≤ 0.006





**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

Drums, IBCs and Isotainers

STORAGE

Store in a cool, dry, and well-ventilated area away from direct sunlight and heat sources to maintain stability and prevent pressure buildup.

Keep in tightly sealed, corrosion-resistant containers (such as HDPE or stainless steel) to avoid contamination and degradation.

SHELF LIFE

12 months when stored under recommended conditions in original, unopened packaging.

SAFETY

Refer to the current Safety Data Sheet (SDS) before handling. Ensure appropriate PPE and ventilation are used when handling the product.