

Technical Data Sheet

FORMIC ACID 85%

Applications

- Hard surface care
- HTF - pharmaceutical processing
- Industrial cleaners
- Institutional cleaners
- Tannery
- Textile

Product Description

Formic acid is abundant in nature and has been used for many years as an environmentally friendly alternative in industries such as textiles, natural rubber and leather processing. It is also used in agriculture, as well as in the production of medicines, cosmetics, detergents and disinfectants. It has excellent properties in controlling acidity, while at the same time effectively restricting microbial growth.

Formic acid is the strongest of the simple, unsaturated carboxylic acids. Furthermore, unlike other organic acids, formic acid has the advantage of being both a carboxylic acid and an aldehyde. It acts, therefore, both as an acidifying and a reducing agent, which clearly gives formic acid enhanced potential for use in industry.

The Formic acid production has certified EHSQ management systems in accordance with ISO 9001, ISO 14001, OHSAS 18001 and FAMI-QS standards.

Typical Properties

Property	Typical Value, Units
General	
Molecular Formula	CH ₂ O ₂
Structural formula	HCOOH
Molecular Weight	46.025 g/mol
Dissociation constant, pKa	3.7
Density	
@ 20°C	1.2 g/cm ³
Dynamic viscosity	
@ 20°C	1.70 mPa·s
Freezing Point	-13.5 °C
Boiling Point	107 °C
Flash Point	>67 °C
Autoignition Temperature	~520 °C
Assay	85-87 %

Packaging

Available as bulk, IBCs (1000 L), drums (200 L) and cans (30 L).

Please see the Material Safety Data Sheet before handling the material.

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

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