

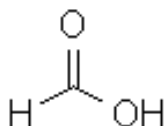
# Formic Acid – 85%

## Technical Data Sheet

July 2009

 **BASF**  
The Chemical Company

Formula.....CH<sub>2</sub>O<sub>2</sub>  
Molecular Weight .....46  
PRD Number .....30056217  
CAS Registry Number .....64-18-6



Product Specifications	Value	Test Method
Formic acid, wt %	84.0-86.0	EN ISO 2114
Water, wt % maximum	14.0-16.0	DIN 51 777
Acetic acid, ppm maximum	50	ISO 731/VII
Color, APHA Units maximum	50	DIN EN 1557
Non-volatile matter, ppm maximum	50	AAS/AES

### Physical Properties

Melting temperature, °C.....	-50.8
Boiling temperature, °C.....	107.3
Density @20 °C, g/cm <sup>3</sup> .....	1.195
Flash point, °C.....	65
Ignition temperature, °C.....	500

### Description

Formic Acid 85% is a colorless to yellowish liquid, with a pungent odor. It is miscible with water and other organic substances in all proportions.

### Synonyms

Methanoic Acid  
Formylic Acid

### Safety

Formic Acid 85% is corrosive and causes severe burns. Harmful if swallowed.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.

### Packaging

Available in bulk only.

### Applications

Intermediate used in the production of:

- Crop protection agents
- Dyes
- Flue gas
- Industrial chemicals
- Pesticides
- PH control/neutralization
- Pharmaceuticals
- Plastics
- Rubber industry
- Textile industry

Also used as a:

- Initial product for chemical synthesis
- Silage additive
- Solvent

### Storage & Handling

Formic Acid 85% has a shelf life of 24 months or less in unopened, original containers stored at less than 30°C. It must be protected from alkalis and alkalizing substances, heat, fire and sources of ignition. Ensure thorough ventilation of work and storage areas. It also has a danger of bursting when sealed gas tight.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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