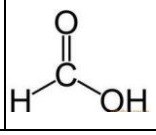
TECHNICAL DATA SHEET OF FORMIC ACID

Name	**Formic Acid**
CAS No.	**64-18-6**
HS No.	**29151100**
Chemical Formula	**CH2O2**
Molecular weight	**46.03**
Chemical Structure	
Specifications	
APPEARANCE	**COLORLESS CLEAR LIQUID WITHOUT THE SUSPENDED**
PURITY	**85.00%MIN**
CHROMA(PT-CO):	**10 MAX**
CHLORIDE(CL):	**0.002%MAX**
SULPHATE(SO4):	**0.001%MAX**
IRON: (Fe)	**0.0001%MAX**
EVAPORATION RESIDUE	**0.006 %MAX**
Text Method	
APPEARANCE	**visual inspection**
PURITY	**acid-base titration**
CHROMA(PT-CO):	**platinum cobalt colorimetric method**
CHLORIDE(CL):	**spectrophotometric**

SULPHATE(SO4):	spectrophotometric
IRON: (Fe)	spectrophotometric
EVAPORATION RESIDUE	gravimetric method

Applications

Formic acid is one of basic organic chemical raw materials, which is extensively used in pesticide leather, dyestuff, medicine and rubber industries. Formic acid can be directly used in textile processing, tanning, drygoods, silage, and can be used as metal conditioner, rubber ingredients and industrial solvent.

Packaging

25kg, 250kg, 1200kg plastic drum or ISO tank

Flammability and Explosivity

Flammable liquid and vapor. May be corrosive to metals, Harmful if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage. Causes serious eye damage. May damage fertility or the unborn child. Causes damage to organs (blood system, liver, kidneys, and respiratory organs, inhalation), Causes damage to organs through prolonged or repeated exposure (kidneys, inhalation). Harmful to aquatic life.

Toxicity

Oral (rat) LD50:	1100 mg/kg
Inhalation (rat)LC50:	15000 mg/m³/15m

Storage and Handling

Store in cool, dry and ventilated places away from heat, sunlight, rain, ammonia, sulfuric acid and nitric acid. Wear body-covering clothes and boots, safety glasses, protective Gloves and a dust respirator.