

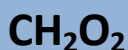


# Product Specification

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## FORMIC ACID FOR SYNTHESIS

PRODUCT CODE	028430
SYNONYMS	N/A
C.I. NO.	N/A
CASR NO.	64-18-6
ATOMIC OR MOLECULAR FORMULA	CH <sub>2</sub> O <sub>2</sub>
ATOMIC OR MOLECULAR WEIGHT	46.03
PROPERTIES	Strong reducing agent, Combustible



PARAMETER	LIMIT
Description	A clear liquid not more than 10 Hazen units in colour, with a pungent odour.
Solubility	Miscible with water forming clear and colourless solution.
Minimum assay (By acidimetric)	98.0%
Wt.per ml at 20°C	1.21 6-1 .220 g
Freezing point	Not below 5.5°C

### MAXIMUM LIMIT OF IMPURITIES

Non volatile matter	0.05%
Chloride (Cl)	0.01%
Sulphate (SO <sub>4</sub> )	0.01%
Iron (Fe)	0.001%

**Note(s): 1] Assay (if applicable) method mentioned.**

**DANGER**  
**HAZARD STATEMENTS :** Flammable liquid and vapour. Combustible Liquid. Toxic if inhaled. Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage.  
**PRECAUTIONARY STATEMENTS :**  
**Prevention :** Keep away from flames and hot surfaces. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust or mist. Use explosion-proof electrical/ventilating/lighting/equipment. Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Use only outdoors or in a well ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray.  
**Response :** Call a POISON CENTER or doctor/physician if you feel unwell. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Keep container tightly closed. Immediately call a POISON CENTER or doctor/physician. If on skin or hair: remove/take off immediately all contaminated clothing. Rinse with water/shower. In case of fire, use alcohol-type foam for extinction. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire, use dry agent for extinction. Specific treatment: refer to Label or MSDS. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.  
**Disposal :** Add in small quantities to large, stirred excess of water, keeping the final concentration less than 2%. Neutralize with 5% sodium hydroxide soln. and run to waste with large quantities of running water.

IMDG Code : 8/II  
UN No. : 1779  
IATA : 8

Hazard Pictogram(s) :



Flammable liquids



Acute toxicity



Corrosive to metals