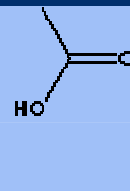


ACETIC ACID

PRODUCT IDENTIFICATION

CAS NO.	64-19-7, 77671-22-8	
EINECS NO.	200-580-7	
FORMULA	CH ₃ COOH	
MOL WT.	60.05	
H.S. CODE	2915.21.0000	
UN NO.	2789, 2790	
TOXICITY	Oral rat LD50: 3310 mg/kg	
SYNONYMS	Ethylic acid; Methanecarboxylic acid; vinegar; Vinegar acid; Acetic acid, glacial; Essigsäure; ácido acético; Acide acétique; Ethanoic acid; Acetasol; Octowy kwas; Kyselina octova; Essigsaeure; Octowy kwas; Vosol;	
SMILES	C(=O)(C)O	
CLASSIFICATION	Solvent, Acetic acid	
EXTRA NOTES	Product of the oxidation of ethanol and of the destructive distillation of wood.	

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	clear liquid
MELTING POINT	16.6 C
BOILING POINT	117 - 118 C
SPECIFIC GRAVITY	1.05
SOLUBILITY IN WATER	Soluble
pKa	4.76 (at 25 C)
log Pow	-0.17 (Octanol-water)
VAPOR PRESSURE	15.7 (mmHg)
HENRY LAW CONSTANT	1.00E-07 (atm-m ³ /mole at 25 C)
OH RATE CONSTANT	7.40E-13 (cm ³ /molecule-sec at 25 C Atmospheric)
VAPOR DENSITY	2.10
AUTOIGNITION	
NFPA RATINGS	Health: 3; Flammability: 2; Instability: 0
REFRACTIVE INDEX	
FLASH POINT	39 C
STABILITY	Stable under ordinary conditions. Air and light sensitive

EXTERNAL LINKS & GENERAL DESCRIPTION