

SAFETY DATA SHEET

Creation Date 05-May-2009

Revision Date 26-Jan-2018

Revision Number 4

1. Identification

Product Name Acetic acid

Cat No. : AC124040000; AC124040010; AC124040025; AC124040050;
AC124040250

CAS-No 64-19-7
Synonyms Ethanoic acid; Glacial acetic acid; Methanecarboxylic acid

Recommended Use Laboratory chemicals.
Uses advised against Food, drug, pesticide or biocidal product use.
Details of the supplier of the safety data sheet

Emergency Telephone Number

For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11
Emergency Number **US**:001-201-796-7100 / **Europe**: +32 14 57 52 99
CHEMTREC Tel. No.**US**:001-800-424-9300 / **Europe**:001-703-527-3887

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Signal Word

**Precautionary Statements****Prevention**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Keep container tightly closed

Response

Immediately call a POISON CENTER or doctor/physician

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Ingestion

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Fire

In case of fire: Use CO₂, dry chemical, or foam for extinction

Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Disposal

8. Exposure controls / personal protection

Exposure Guidelines

9. Physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	vinegar-like
Odor Threshold	No information available
pH	< 2.5 10 g/L aq.sol
Melting Point/Range	16 - 16.5 °C / 60.8 - 61.7 °F
Boiling Point/Range	117 - 118 °C / 242.6 - 244.4 °F
Flash Point	40 °C / 104 °F
Evaporation Rate	0.97 (Butyl Acetate = 1.0)
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	19.9 vol %
Lower	4.0 vol %
Vapor Pressure	1.52 kPa @ 20 °C

Molecular Weight

60.05

10. Stability and reactivity

12. Ecological information

Ecotoxicity

Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Acetic acid	-	Pimephales promelas: LC50 = 88 mg/L/96h Lepomis macrochirus: LC50 = 75 mg/L/96h	Photobacterium phosphoreum: EC50 = 8.8 mg/L/15 min Photobacterium phosphoreum: EC50 = 8.8 mg/L/25 min Photobacterium phosphoreum: EC50 = 8.8 mg/L/5 min	EC50 = 95 mg/L/24h
Persistence and Degradability	Miscible with water Persistence is unlikely based on information available.			
Bioaccumulation/ Accumulation	No information available.			
Mobility	Will likely be mobile in the environment due to its water solubility.			

Component	log Pow
Acetic acid	-0.2

Acetic acid

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64-19-7

X

ACTIVE

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Legend:

TSCA - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export

Not applicable

International Inventories

