



## Acetic Acid

### Product Stewardship Summary

#### Chemical Identification

- Chemical Abstract Service (CAS) Number: 64-19-7
- Product Name: Acetic Acid, Glacial

#### Description of Acetic Acid

Acetic acid is primarily used as an intermediate in industrial chemical production. It is used as an acidifying and neutralizing agent, as a solvent, and as a process chemical or extraction agent. It is also used as an additive in many cleaning products, paints, and coatings.

#### **Properties of Acetic Acid**

Property	Value
Form	Flammable Liquid
Color	Clear, Colorless
Odor	Vinegar; Pungent
Melting/Boiling Point	17°C / 118°C
Flashpoint	39°C
Solubility (in water)	Completely soluble
Stability	Stable under normal storage conditions
Reactivity	May be corrosive to metals

#### Exposure Potential of Acetic Acid

##### **Workplace exposure:**

In an industrial setting, containment through engineering, institutional controls, and personal protective equipment are utilized to minimize exposure. Normal safe handling procedures should be used in the workplace. Workers should follow recommendations of the Safety Data Sheet

(SDS). Employees should be trained in the appropriate work processes and safety equipment to limit exposure.

**Consumer exposure:**

FFCC does not sell this product directly to consumers.

**Environmental exposure:**

Effect Assessment	Result
Aquatic Toxicity	Low to moderate toxicity to freshwater fish and invertebrates
Biodegradability Persistence	Readily biodegradable
Bioaccumulation Potential	Not expected to bioaccumulate through food chains in the environment

**Health Effects from exposure to Acetic Acid:**

Effect Assessment	Result
Acute Toxicity	Oral: Harmful if swallowed. May cause severe irritation or corrosion of the digestive tract if ingested. Inhalation: May cause irritation to the respiratory tract. Dermal: Harmful in contact with skin.
Irritation	Skin: Causes burning pain and severe corrosive skin damage Eye: Serious eye damage including blindness could result
Sensitization	Not considered to be a skin sensitizer
Mutagenicity	Not considered to be mutagenic
Carcinogenicity	Not considered to be carcinogenic
Toxicity after repeated exposure	Repeated exposure may cause upper respiratory tract irritation
Toxicity for reproduction	Not considered to be a reproductive or developmental toxicant

**Disclaimer:**

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