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# Product Safety Summary Sheet

## DuPont™ Acetic Acid

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### **Chemical Identification, Product Identification or Common Name:**

CAS number: 64-19-7

CAS name: Acetic Acid

EC Number: 200-580-7

### **Product Uses and Applications:**

Acetic acid is used as a raw material in industrial chemical production of industrial solvents, monomers and other chemicals. Acetic acid is also used in water treatment products, paints, coatings, and cleaning agents.

### **Physical Properties of the Chemical or Product:**

Acetic acid is a clear, colorless, flammable liquid with a pungent odor. It has a boiling point of 118 degrees C (244 degrees F) and a melting point of 16.7 degrees C (62 degrees F). Acetic acid is soluble in water and is considered stable under normal storage conditions. Because acetic acid can react violently when mixed with particular chemicals, the handling and use of acetic acid should be limited to trained professional personnel.

### **Exposure Potential:**

#### **Workplace exposure:**

Workers should follow the recommended safety measures contained within the (Material) Safety Data Sheet ((M)SDS) and on any product packaging. Employees should be trained in the appropriate work processes and safety equipment to limit exposure to chemical substances. Occupational use of this substance is considered to be safe provided the recommended safety measures given in the (M)SDS are followed.

**Consumer exposure:**

Some consumer products, such as salad dressing and cleaning agents, may cause exposure to acetic acid. Following product labels and warnings provided by the chemical's manufacturer can reduce the opportunities of exposure to acetic acid.

**Environmental exposure:**

The handling, transportation, storage, and disposal of acetic acid must be in accordance with all federal, state and local environmental regulations. Risk management measures for industrial site use include containment through engineering and institutional controls. The substance is not persistent or bioaccumulative in the environment. Inadvertent releases to the environment that could occur should be responded to in accordance with all applicable laws and regulations. Regulations may vary by region, country, state, county, city, or local government.

**Health Information**

*Note: The information contained in this section may be useful to someone handling the pure undiluted substance such as a manufacturer or transporter. Consumers are not expected to come in contact with the pure substance. The data, while verifiable, are not intended to be comprehensive nor replace the data found in the (M)SDS. For more information on health hazards and recommended protective equipment, please refer to the (M)SDS.*

Exposures may affect human health as follows:

Effect Assessment	Result
Acute Toxicity	Oral: Considered to have low acute toxicity by ingestion. May cause severe irritation or corrosion of the digestive tract if ingested. Inhalation: Considered to have low acute toxicity by inhalation. May cause severe respiratory tract irritation if inhaled.. Dermal: Considered to have moderate acute toxicity by skin contact. May cause severe irritation or corrosion. .
Irritation	Skin: Considered to be irritating or corrosive, depending upon concentration. Eye: Considered to be irritating or corrosive, depending upon concentration
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 inhalation exposure may cause upper respiratory tract irritation.
Toxicity for reproduction	Not considered to be a reproductive or developmental toxicant.

Acetic acid is the primary acid in vinegar and is found in various foods and tissues as acetates. Acetic acid is also produced in the body during the digestion and metabolism of foods. Acetic acid, in the amounts found in the human diet, is considered to be generally recognized as safe.

**Environmental Information**

*Note: The information contained in this section is intended to provide brief and general information of this substance's potential for environmental impact. The results in the table below refer to testing performed with the non-formulated, concentrated substance. The data contained in this section explain*

*the relative effect of the concentrated substance on the environment, as defined by certain tests. The data, while verifiable, are not intended to be comprehensive nor replace the data found in the (M)SDS. The data does not replace the data given in the (M)SDS. For more information and recommended protective measures please refer to the (M)SDS.*

Effect Assessment	Result
Aquatic Toxicity	Considered to have low to moderate toxicity to freshwater fish and invertebrates.
Biodegradability Persistence	Readily biodegradable. Not expected to persistent based on rapid degradation in the environment.
Bioaccumulation potential	Not expected to bioaccumulate.

## **Risk Management**

### **Workplace Management:**

Risk management measures for industrial site use include containment through engineering and institutional controls and the use of personal protective equipment (PPE) as appropriate. Always refer to the (Material) Safety Data Sheet ((M)SDS) for guidance on the appropriate personal protective equipment to be used and on the safe handling of this material.

### **Consumer Risk Management:**

To reduce the potential for exposure, consumers should always follow all product instructions and warning labels provided by the manufacturer.

### **Regulatory Information:**

Always refer to the (Material) Safety Data Sheet ((M)SDS) for guidance on regulatory restrictions that may govern the manufacture, sale, transportation, use and/or disposal of this chemical or product. Regulations may vary by region, country, state, county, city, or local government.

### **First Aid Information:**

For all First Aid or Emergency information, consult the (Material) Safety Data Sheet ((M)SDS).

### **Information Sources:**

Data is compiled from a variety of sources, including publicly available documents, internal data and other sources such as, but not limited to, Chemical Safety Reports and (Material) Safety Data Sheets ((M)SDS).

### **Contact Information:**

E.I. du Pont de Nemours and Company, Wilmington, DE 19880

USA Customer Service:

Toll Free: 1-800-774-1000

Global: 1-843-335-5912

Hours: 8:00 a.m. - 7 p.m. EST

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