



CAS #	EINECS #	Formula
64-19-7	200-580-7	C ₂ H ₄ O ₂

GENERAL DESCRIPTION

Glacial Acetic Acid, also known as Acetic Acid, Ethanoic Acid, or GAA is an organic compound with the formula C₂H₄O₂. It's clear, colorless, volatile liquid with a vinegar-like odor. Glacial acetic acid is the anhydrous (undiluted or free of water) form of acetic acid. It is an important chemical reagent and industrial chemical, used primarily in the production of cellulose acetate for photographic film, polyvinyl acetate for wood glue, and synthetic fibers and fabrics. In households, diluted acetic acid is often used in descaling agents. In the food industry, acetic acid is controlled by the food additive code E260 as an acidity regulator and as a condiment. In biochemistry, the acetyl group, derived from acetic acid, is fundamental to all forms of life. When bound to coenzyme A, it is central to the metabolism of carbohydrates.

TYPICAL PROPERTIES & SPECIFICATIONS

Description	Result
Flash Point:	40 °C (104 °F)
Initial Boiling Point:	117.72 °C (243.9 °F) estimated
Melting Point/Freezing Point:	17.22 °C (63 °F)
Lbs/gallon:	8.78
Density:	1.05 g/cm ³ (20°C)
Specific Gravity (H ₂ O=1):	1.05
Color:	Colorless

Test Description	Lower Limit	Upper Limit
Freeze Point (Congealing Temp):	16.35°C (60.8 °F)	-
Purity (Assay), %:	99.85	-
Color, PTCO:	0	5.0
Iron, ppm:	0	0.50
Formic Acid, %:	0	0.05
Water, %:	0	0.150
Acetaldehyde, %:	0	0.05
Permanganate Time, HRS:	2.0	-
Heavy Metals, ppm:	0	0.50
Sulfates, ppm:	0	1.0
Chlorides, ppm:	0	1.0

Note: Typical Properties & Specifications are for reference purposes only. Actual results may vary.

AVAILABILITY

Available in 4 fl oz, Pint (16 fl oz), Quart (32 fl oz), Gallon (128 fl oz), 55 Gallon Drum (7040 fl oz).

Shelf Life: 1 year

SAFETY INFORMATION

Hazard Statements	Flammable liquid and vapor Harmful in contact with skin Causes severe skin burns and eye damage Causes serious eye damage Harmful if inhaled
Precautionary Statements - Prevention	Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof electrical, ventilation, lighting, equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust, fume, gas, mist, vapors, and spray. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection, and face protection. Wash contaminated clothing before reuse
Precautionary Statements - Response	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use dry chemical, CO ₂ , or alcohol resistant foam to extinguish.
Storage	Store tightly closed in a cool, well-ventilated place. Store locked up. Store away from sources of ignition.
Disposal	Dispose on contents/container to an approved waste disposal plant. Dispose of in accordance with local, regional, national, and international regulations.

SHIPPING INFORMATION

Proper Shipping Name: Acetic Acid, Glacial

UN Number: UN2789

Class or Division: 8

Subsidiary Risk: 3

Packing Group: II

Label Required: Corrosive (8) + Flammable Liquid (3)

STORAGE

*Store in a tightly closed container in a cool, dry area away from direct sunlight, heat, sparks, flames, and any sources of ignition. Glacial Acetic Acid must be stored between 18 to 35 °C (64 to 95 °F), preferably between 20 to 25 °C (68 to 77 °F) to prevent solidification.

Additional Information

This product is considered a hazardous material. Do not handle until all safety precautions have been read and understood. Read the product label & safety data sheet (SDS) for information on proper handling, health risks, firefighting methods, spill procedures, emergency contact information, precautionary information, disposal information & more. Safety data sheets are available at www.casewayproducts.com or by emailing support@casewayproducts.com

FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN

Before using, the user must make their own independent determination that the product is suitable for the intended use and can be used safely and legally.

* The information, suggestions, technical data, and advice provided on this sheet are based on test results, knowledge, and experience believed to be accurate and reliable. However, all information, suggestions, technical data, and advice are not to be considered a warranty and Caseway Industrial Products, Inc. assumes no liability for any direct, indirect punitive, incidental, special consequential damages, to property or life.