

Offer Sheet

Product	Acetic Acid 70%
Quantity	42 x 55 gal. drums
Net weight	19,420 lbs.
Manufacture date	
Availability	One time
Location	North Chicago, IL 60064
Date	2/17/26
COA	Attached below



Brian Svrusis
Solvent Systems International
575 Bennett Road
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: [Surplus Inventory](https://www.solvent-systems.com)
[Solvent-Systems.com](https://www.solvent-systems.com)

Acetic Acid 70% is an aqueous solution of glacial acetic acid used where **moderate acidity, easier handling, or controlled dilution** is preferred over 99% material. It is common in **industrial, water treatment, food-adjacent (non-food ingredient), and chemical intermediate** markets.

1) Water & Wastewater Treatment (*high relevance to your industry*)

- **pH neutralization** in municipal and industrial systems
- **Alkalinity reduction** in pretreatment
- **Carbon source for biological nutrient removal (BNR)** in denitrification
- Control of scaling conditions

Why 70%: safer to handle than glacial while still concentrated.

2) Chemical Intermediate Manufacturing

- Feedstock for **acetate salts** (sodium acetate, calcium acetate, zinc acetate)
- Production of **acetic esters** (ethyl acetate, butyl acetate — usually after concentration)
- Intermediate in **textile and leather chemicals**

Note: Some producers still prefer glacial for esterification efficiency.

3) Cleaning & Descaling Formulations

- Acid cleaner component for **industrial equipment**
- Removal of **carbonate scale and mineral deposits**
- Used in formulated **CIP blends**

Advantage: controllable acidity with lower fuming than glacial.

4) Agriculture & Silage Applications

- **Silage preservative and mold control**
 - Acidifier in certain crop applications
 - pH adjustment in agricultural formulations
-

5) Food & Beverage Adjacent Processing (non-ingredient industrial use)

(Note: 70% is usually not sold as direct food ingredient vinegar substitute)

- Equipment sanitation chemistry
 - Ingredient precursor for dilution to vinegar strength
 - Food plant maintenance chemicals
-

6) Textile & Dyeing Industry

- **pH control in dye baths**
 - Neutralization after alkaline scouring
 - Buffering agent in finishing processes
-

7) Rubber & Latex Processing

- Coagulation of natural latex
- pH adjustment in rubber compounding systems

VERIFIED BY
6 Feb 19 MAR 2024

8601 95TH Street
Pleasant Prairie, WI 53158
(262) 427-0400

Carlos Pacheco

Certificate of Analysis

SHIP TO:	ABBVIE INC.	CUSTOMER PO #:	4300206343
FAX #:	317-541-4700 &	EMCO ORDER #:	SC0266995
EMAIL:	<u>COA@HARRISANDFORD.COM</u>	EMCO CUST #:	102190
ATTN:	QC LAB	CODE:	RMS.S.44141
BILL TO:	HARRIS & FORD, LLC	SHIP DATE:	02/13/2024
PRODUCT:	Glacial Acetic Acid 70%	LOT #:	991110G1
EPC #:	70352D17	MFR DATE:	9/11/2023
MFR NAME:	INEOS	EXP DATE:	9/10/2025
MFR LOCATION:	One 2 nd Ave South, Texas City, TX 77592		

TEST DESCRIPTIONS	SPECIFICATIONS	TEST RESULTS
APPEARANCE	CLEAR & FREE	PASS
FREEZING POINT (°C)	16.35 MIN.	16.40
ASSAY	99.85 % MIN.	99.88
COLOR, PTCO	10 MAX.	2.8
IRON	1 PPM MAX.	<0.10
FORMIC ACID	0.05 % MAX.	0.003
WATER	0.15 % MAX.	0.088
ALDEHYDES	0.005 % MAX.	<0.0010
PROPIONIC ACID	500 PPM MAX.	171.5
PERMANGANATE TIME	2 HOURS MIN.	>2
HEAVY METALS	0.5 PPM MAX.	<0.5
SULFATES	1 PPM MAX.	<1.0
SULFUR	1 PPM MAX.	<1.0
DISTILLATION RANGE	1 °C MAX.	PASS
SPECIFIC GRAVITY @ 20°C	1.0505 – 1.0520	1.0512
NON-VOLATILE MATERIAL	10 PPM MAX.	<10.0
CHLORIDES	1 PPM MAX.	<1.0

Copy for 2/20/24

*70% ACETIC ACID WAS MADE BY THE DILUTION OF GLACIAL ACETIC ACID

Batch: 1001124776
NC-Raw Materials Lab
Amount: 20 ml
Storage: Tight containers
Run#: 991110G1
Misc Raw Material: 991110G1

BY: O. Palomares
CHEMIST
2/12/2024



QC – TL03

Jocelyn LaBuda
20 FEB 2024

Jocelyn LaBuda

NC – Raw – IQA Review
Material Number: 20032561
ACETIC ACID, 70%

Batch: 1001124776 Qty: 0.000 G

Vendor batch: 991110G1

Temp. Conditions: 15 – 30C (59 – 86F)

I-Lot: 010002849913
Material: 20032561
Lab Location: 1195_QC-TL63
ACETIC ACID, 70%
NC-Raw Materials Lab
GLCA2024003309



10838237

Questions regarding this shipment

1-262-427-0400

Attached to: *CP-Dnev-963765-IDD-0065*
Jocelyn LaBuda 13 MAR 2024

Safety Data Sheet

Acetic Acid 70%

Version 1.6

Revision Date: 08/19/2025

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Acetic Acid 70%
CAS Name : 64-19-7 (70%)

Recommended use of the chemical and restrictions on use

Recommended use : Reserved for industrial and professional use.
Restrictions on use : None known.

Manufacturer or supplier's details

Company : Univar Solutions USA
Address : 3075 Highland Pkwy Suite 200
Downers Grove, IL 60515
United States of America (USA)

Emergency telephone number:

Transport North America: CHEMTREC (1-800-424-9300)
CHEMTREC INTERNATIONAL Tel # 703-527-3887

Additional Information: : Responsible Party: Product Compliance Department
E-mail: SDSNA@univarsolutions.com
SDS Requests: 1-855-429-2661
Website: www.univarsolutions.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 4
Skin corrosion : Category 1B
Serious eye damage : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.
H314 Causes severe skin burns and eye damage.

Precautionary statements : **Prevention:**
P210 Keep away from heat/ sparks/ open flames/ hot surfaces.
No smoking.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/
face protection.
Response:
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT
induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately
all contaminated clothing. Rinse skin with water/ shower.

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P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
 P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
 P363 Wash contaminated clothing before reuse.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

CAS-No.	Chemical name	Weight percent
64-19-7	Acetic acid	50 - 80

Any Concentration shown as a range is due to batch variation.

SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.
 If inhaled : If unconscious, place in recovery position and seek medical advice.
 If symptoms persist, call a physician.
 In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
 In case of eye contact : Remove contact lenses.
 Protect unharmed eye.
 If eye irritation persists, consult a specialist.
 Take victim immediately to hospital.
 If swallowed : Keep respiratory tract clear.
 Do not induce vomiting without medical advice.
 Do not give milk or alcoholic beverages.
 Never give anything by mouth to an unconscious person.
 If symptoms persist, call a physician.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or car-

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Unsuitable extinguishing media	: Carbon dioxide.
Hazardous combustion products	: High volume water jet
	: No hazardous combustion products are known
Further information	: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up	: Neutralize with chalk, alkali solution or ammonia. Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.
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SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Normal measures for preventive fire protection.
Advice on safe handling	: For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.
Conditions for safe storage	: Electrical installations / working materials must comply with the technological safety standards.
Materials to avoid	: No materials to be especially mentioned. Do not store near acids.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
64-19-7	Acetic acid	TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH
		ST	15 ppm 37 mg/m ³	NIOSH REL
		TWA	10 ppm 25 mg/m ³	NIOSH REL
		TWA	10 ppm 25 mg/m ³	OSHA Z-1
		TWA	10 ppm 25 mg/m ³	OSHA P0
		PEL	10 ppm 25 mg/m ³	CAL PEL
		C	40 ppm	CAL PEL
		STEL	15 ppm	CAL PEL

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		37 mg/m ³	
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Personal protective equipment

- Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
- Hand protection
Material : Gloves
- Eye protection : Safety glasses
- Skin and body protection : Protective suit
- Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : liquid
- Colour : colourless
- Odour : pungent, vinegar-like
- Odour Threshold : 0.48 ppm
- pH : 0.5 - 2.4 @ 60 g/l
- Freezing Point (Melting point/freezing point) : -27 - 16.64 °C (-17 - 61.95 °F)
- Boiling Point (Boiling point/boiling range) : 102 - 117.9 °C (216 - 244.2 °F)
- Flash point : 61 °C (142 °F)
Method: closed cup
- Evaporation rate : No data available
- Flammability (solid, gas) : No data available
- Upper explosion limit : 19.9 %(V)
- Lower explosion limit : 4 %(V)
- Vapour pressure : 15.593 mmHg @ 25 °C (77 °F)
- Relative vapour density : > 1(Air = 1.0)
- Relative density : 1.030 - 1.045 @ 25 °C (77 °F)
Reference substance: (water = 1)
- Density : 1.030 - 1.070 g/cm³ @ 15 °C (59 °F)
Calculated Density/Liquid Density
- Solubility(ies)

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Water solubility	: 602.9 g/l @ 25 °C (77 °F)
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: -0.17
Auto-ignition temperature	: 463 °C
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: 1.011 mm ² /s

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No hazards to be specially mentioned.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	: Acetic anhydride Alcohols Aldehydes Amines Bases carbonates halogens hydroxides Metals nitrates Oxidizing agents Strong acids Peroxides

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : Acute toxicity estimate: 4,138 mg/kg

Components:

64-19-7:

Acute oral toxicity : LD50 (Rat, male and female): 3,310 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Serious eye damage/eye irritation

Components:

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64-19-7:

Species: Rabbit

Result: Risk of serious damage to eyes.

Carcinogenicity

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Further information

Product:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

Components:

64-19-7:

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S.

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Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Univar Solutions ChemCare: 1-800-637-7922

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

DOT (Department of Transportation):

UN2790, Acetic acid solution, 8, II

IATA (International Air Transport Association):

UN2790, Acetic acid solution, 8, II

IMDG (International Maritime Dangerous Goods):

UN2790, ACETIC ACID, SOLUTION, 8, II, Flash Point:61 °C(142 °F)

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Acetic acid	64-19-7	5000	6250

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

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SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

64-19-7 Acetic acid

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

64-19-7 Acetic acid

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

64-19-7 Acetic acid

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

Massachusetts Right To Know

64-19-7 Acetic acid

Pennsylvania Right To Know

7732-18-5 Water

64-19-7 Acetic acid

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

AIIC : On the inventory, or in compliance with the inventory

DSL : All components of this product are on the Canadian DSL

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

NZIoC : Not in compliance with the inventory

None known.

Safety Data Sheet

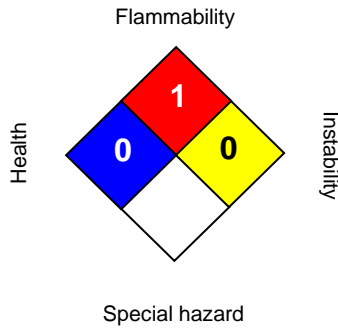
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SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	2
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
 2 = Moderate, 3 = High
 4 = Extreme, * = Chronic

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

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Legacy SDS: : R0015250; 100000061303, 140000001280

Material number:

16169412, 16164729, 16158662, 16153396, 16160436, 16155690, 16163972, 16157434, 16143534, 16152658, 621098, 103078, 69084, 87116, 102779

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AiIC	Australian Inventory of Industrial Chemicals	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chem-	PEL	Permissible Exposure Limit

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	icals Association		
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		