



Safety Data Sheet

Revision: 03

Date: October 2, 2018

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1. Product Identifiers

Product Name Acetic Acid, Solution 20MM

Catalog No 5079

Brand Name Acetic Acid, Solution 20MM

2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses Laboratory chemicals, Manufacturer of substances

3. Details of the supplier of the safety data sheet

Company Advanced BioMatrix, Inc.
5930 Sea Lion Place
Carlsbad, CA 92010 USA
Phone: 1-800-883-8220
1-760-929-0755 outside USA
Fax 1-510-217-3452

4. Emergency telephone number

Emergency Phone No. 1-800-883-8220

SECTION 2 – HAZARDS IDENTIFICATION

1. Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Is a hazardous substance or mixture

2. GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H315

Causes skin irritation

H319

Causes serious eye irritation

Precautionary statement(s)

P264

Wash skin thoroughly after handling.

P280

Wear protective gloves/ protective clothing/ eye protection/ face.

3. **Hazards not otherwise classified (HNOC) or not covered by GHS** – None.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

1. **Substances**
Not applicable
2. **Mixture**

Name	Product Identifier	%	GHS-US Classification
Water	N/A	99.88	Nonhazardous
Glacial Acetic Acid	CAS 64-19-7	0.12	Hazardous

SECTION 4 – FIRST AID MEASURES

1. **General advice**
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
2. **Eye Contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.
3. **Skin Contact**
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
4. **Inhalation**
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
5. **Ingestion**
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
6. **Most important symptoms and effects, both acute and delayed**
The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.
7. **Indication of any immediate medical attention and special treatment needed**
No data available

SECTION 5 – FIREFIGHTING MEASURES

1. Extinguishing media

This is a nonflammable solution. Use an extinguishing agent suitable for the surrounding fire

2. Special hazards arising from the substance or mixture

No data available

3. Advice for firefighters

Wear self-contained breathing apparatus for firefight if necessary.

4. Further Information

No data available

SECTION 6 – ACCIDENTAL RELEASE MEASURES

1. Personal precautions, protective equipment and emergency procedures

Avoid breath vapors, mist or gas.

For personal protection see section 8.

3. Environmental precautions

Do not let product enter drains.

4. Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

5. Reference to other sections

For disposal see section 13.

SECTION 7 – HANDLING AND STORAGE

1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage: room temperature

3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

1. Exposure controls

Contains no substances with occupational exposure limit values.

Appropriate engineering control

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/Face protection

Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of the contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm B

Break through time: 480 min

Material tested: Dermatril®

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril®

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form	Liquid
Color	Colorless
Odor	Pungent
Odor threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available.
Flash point	Not applicable
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	Soluble in water
Partition coefficient: n- octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under recommend storage conditions
Possibility of hazardous reactions	Under normal conditions of storage and used, hazardous reactions should not occur.
Conditions to avoid	No specific data
Incompatible material	No specific data
Hazardous decomposition products	Under normal conditions of storage and used, hazardous decomposition products should not be produced.
Other decomposition products -	No data available

In the event of fire: see section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information of toxicological effects

Acute toxicity – Not available

Irritation/Corrosion – Not available

Sensitization – Not available

Mutagenicity – Not available

Carcinogenicity – None of the ingredients listed

Reproductive toxicity- Not available

Teratogenicity- Not available

Specific target organ toxicity- single exposure - Not available

Specific target organ toxicity- repeated exposure - Not available

Aspiration Hazard - Not available

Information on the likely routes of exposure

Routes of entry anticipated: Oral

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No specific data

Inhalation: No specific data

Skin contact: No specific data

Ingestion: No specific data

Aspiration Hazard: No specific data

Delayed and immediate effects and also chronic effects from short and long term exposure

No known significant effects or critical hazards.

Numerical measures of toxicity: Not available

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity: Not available

Persistence and degradability: Not available

Bioaccumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: Not available

Aspiration Hazard: No known significant effects or critical hazards

SECTION 13 – DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the

material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

DOT (US)

In accordance with DOT

Not regulated

Transportation if Dangerous Goods

Not regulated


Transportation by sea

Not regulated

Transportation by air

Not regulated

SECTION 15 - REGULATORY INFORMATION
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Sara	: Not applicable
Section 355 (Extremely hazardous substances)	: Substance is not listed
Section 313 (Specific toxic chemical listings)	: Substance is not listed
SARA 311/312 Hazards	
No SARA Hazards	
TSCA (Toxic substances control act)	
Proposition 65:	
Chemicals known to cause cancer	: Substance is not listed
Chemicals known to cause reproductive toxicity or females	: Substance is not listed
Chemicals known to cause reproductive toxicity for males	: Substance is not listed
Chemicals known to cause developmental toxicity	: Substance is not listed
Carcinogenic categories	
EPA (Environmental protection agency)	: Substance is not listed
TLV (Threshold limit value established by ACGIH)	: Substance is not listed
NIOSH-CA (National institute for occupational safety and health)	: Substance is not listed
OSHA-CA (occupational safety & health administration)	: Substance is not listed
GHS label elements	: The product is classified and labeled according to the Globally Harmonized System (GHS).
Hazard pictograms	: 
Decomposition temperature	: Not applicable
Viscosity	: Not applicable
Signal Word	: Warning
Hazard-determining components of labeling	: Not applicable
Hazard statements	: Causes severe skin burns and eye damage. Wash skin thoroughly after handling.
Precautionary statements	: Wear protective gloves/ protective clothing/ eye protection/ face protection.
National regulations	: Substance is not listed
State right to know	: Substance is not listed
Chemical safety assessment	A Chemical Safety Assessment has not been carried out.

SECTION 16 – OTHER INFORMATION

Further information:

This information has been prepared by Advanced BioMatrix, Inc. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Advanced BioMatrix, Inc. and its Affiliates shall not be held liable for any damages resulting from handling or from contact with the above product. See www.advancedbiomatrix.com for additional terms and conditions of sale.

Preparation Information:

Advanced BioMatrix, Inc.
1-800-883-8220