SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	Aceto-Carmine Solution
CAS number	See section 3
Synonyms	N/A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Laboratory Chemicals

1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Serious Eye Damage/Eye Irritation Category 1, Flammable Liquid Category 3, Hazardous to the aquatic environment - Acute Category 3

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word	Danger
Hazard statements	Flammable liquid and vapour Causes severe skin burns and eye damage
Precautionary statements	Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not ingest. Protect against inhalation of vapour or splashes of liquid to skin or eyes.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Water	-	7732-18-5	53%
Acetic Acid, Glacial	-	64-19-7	45%
Carmine	-	1390-65-4	2%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice	Show this sheet to a doctor if medical advice is needed.
If inhaled	In case of accident by inhalation: remove victim to fresh air and keep at rest.
In case of skin contact	After contact with skin, wash immediately with plenty of water.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Treat symptomatically.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Use dry chemical, CO2 or appropriate foam.

Unsuitable extinguishing media Do not use water jet.

5.2 Specific hazards arising from the substance or mixture

Fire or excessive heat may produce hazardous decomposition products: Carbon dioxide, Carbon monoxide.

5.3 Special protective equipment and precautions for firefighters

Firefighters should wear full protective equipment and NIOSH approved self-contained breathing apparatus.

5.4 Further information

Flash Point 39 C

Autoignition Temperature No information available.

Explosion limits

Upper No information available.
Lower No information available.

Sensitivity to Mechanical Impact No information available.
Sensitivity to Static Discharge No information available.
NFPA
Not established.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator If ventilation is inadequate. Put on appropriate personal protective equipment.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if spill to sewers or public waters. Stop leak if without risk.Move containers away from spill area. Absorb with inert material and place in an appropriate waste disposal container. Use spark proof tools and explosion proof equipment. Dispose of via a licensed waste disposal contractor.

6.3 Methods and materials for containment and cleaning up

Dispose of contaminating material as waste according to item 13. Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on protective equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/…/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed. Store in a well-ventilated place. Keep cool. Keep container tightly closed in a cool, well-ventilated place.

Incompatibilities

Water-reactive materials, Acetic anhydride, Acetaldehydes, Caustics (bases), Oxidizing materials, Halogens, Carbonates, Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Acetic Acid, Glacial	TWA	10 ppm

US. ACGIH Threshold Limit Values

Component	Type	Value
Acetic Acid, Glacial	TWA STEL	10 ppm 15 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value
Acetic Acid, Glacial	TWA	10 ppm

Biological occupational exposure limits

No additional information.

8.2 Exposure controls

Appropriate engineering controls
Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Personal protective equipment

Eye/face protection
Wear chemical splash goggles when handling this product. Have an eye wash station available.

Skin protection
Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Body Protection
Appropriate protective work clothing.

Respiratory protection
None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Control of environmental exposure
Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Dark red
Odor	Strong vinegar
Odor Threshold	No additional information
pH	No additional information
Melting Point/Range	No additional information
Boiling Point/Range	No additional information
Evaporation Rate	No additional information
Flammability (solid)	Combustible liquid and vapour
Flammability or explosive limit	
Upper	No additional information
Lower	No additional information
Vapor Pressure	No additional information
Vapor Density	No additional information
Density	> 1
Solubility	Soluble in water

Partition coefficient; n-octanol/water	No additional information
Autoignition Temp	No additional information
Decomposition Temp	No additional information
Viscosity	No additional information
Molecular Formula	No additional information
Molecular Weight	No additional information
VOC Content(%)	No additional information
Oxidizing properties	No additional information

9.2 Other safety information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not generally reactive under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.

10.5 Incompatible materials

Water-reactive materials, Acetic anhydride, Acetaldehydes, Caustics (bases), Oxidizing materials, Halogens, Carbonates, Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon dioxide, Carbon monoxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	Rat 90000 mg/kg	-	-
Acetic acid, Glacial	-	-	Mouse 5620 ppm

Skin corrosion/irritation

Corrosive to skin and mucous membranes.

Serious eye damage/eye irritation
Corrosive to eyes.

Respiratory or skin sensitization
No additional information.

Germ cell mutagenicity
No additional information.

Carcinogenicity
No components are listed as known or suspected carcinogens.

Specific target organ toxicity - single exposure
Respiratory system.

Specific target organ toxicity - repeated exposure
Teeth, Respiratory system.

Reproductive toxicity
No additional information.

Chronic effects
No additional information.

11.2 Additional Information
No additional information.

SECTION 12: Ecological information

12.1 Toxicity
Slight ecological hazard. In high concentrations, this product may be dangerous to plants and/or wildlife.

12.2 Persistence and degradability
Biodegradation, Photodegradation, Adsorbs to soil.

12.3 Bio accumulative potential
Bioconcentration is not expected to occur.

12.4 Mobility in soil
This material is expected to have moderate mobility in soil. It absorbs to most soil types.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Endocrine disrupting properties
No information available.

12.7 Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods
Dispose in accordance with all applicable Federal, State and Local regulations.
Always contact a permitted waste disposer (TSD) to assure compliance.

SECTION 14: Transport information

DOT (US)

UN Number	UN 2790
Proper Shipping name	Acetic Acid Solution
Hazard Class	Class 8
Packaging Group	III

IMDG

UN Number	UN 2790
Proper Shipping name	Acetic Acid Solution
Hazard Class	Class 8
Packaging Group	III

IATA

UN Number	UN 2790
Proper Shipping name	Acetic Acid Solution
Hazard Class	Class 8
Packaging Group	III

SECTION 15: Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not applicable.

CERCLA Hazardous Substance List (40 CFR 302.4)
Acetic Acid, Glacial: 5000 lb final RQ; 2270 kg final RQ.

SARA 304 Emergency release notification
Acetic Acid, Glacial: 5000 lb RQ.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not applicable.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous
See section 2 for hazards.

SARA 313 (TRI reporting)
Not listed.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not listed.

Safe Drinking Water Act
Acetic Acid, Glacial: 5,000,000 HS TQ.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
Not applicable.

US state regulations

US. Massachusetts RTK - Substance List
Not listed.

US. New Jersey Worker and Community Right-to-Know Act
Acetic Acid, Glacial: CAS 64-19-7.

US. Pennsylvania Worker and Community Right-to-Know Law
Acetic Acid, Glacial: CAS 64-19-7.

California Proposition 65
No California Proposition 65 ingredients.

SECTION 16: Other information

Date of Issue: 6/4/2025

SECTION 17: Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.