Safety Data Sheet

Section 1. Identification	
Product Identification and Item Numbers:	Acetic Acid, 5% w/v (AA/5/4, AA/5/8, AA/5/PT)
Product Description:	Glacial Acetic Acid USP, in Purified Water
Recommended use and restrictions on use:	N/A
Supplier:	Delasco 4001 E Plano Pkwy, Ste 100 Plano, TX 75074 1-712-323-3269 www.delasco.com questions@delasco.com
In Case of Emergency, Contact:	Chemtrec (24 hour) 1-800-424-9300

Section 2. Hazard(s) Identification

Classification:

Skin corrosion / irritation (Category 2)
Serious eye damage / eye protection (Category 2A)

Labeling:

Hazard symbol(s):
None.

Hazard symbol(s):
None.

Signal word:

Hazard statements:

Causes skin irritation.
Causes serious eye irritation.

Precautionary statements:

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Section 3. Composition/Information on Ingredients

Chemical Name and Concentration:	Acetic Acid, 5% w/v Purified Water, 95% w/v
Other Names, Common Names, Synonyms:	Acetic acid (aqueous), Ethanoic acid, Glacial acetic acid (pure compound), Methanecarboxylic acid
CAS Number, other unique identifiers:	Mixture: Acetic Acid CAS# 64-19-7 Water CAS# 7732-18-5
Other classified impurities or stabilizers:	N/A
Other ingredients posing health hazards:	N/A
Concentration of other hazardous ingredients:	N/A

Section 4. First-aid Measures

Inhalation exposure:	If a person breathes large amounts of this chemical, move the exposed person to fresh air at once.
Skin exposure:	Immediately wash the contaminated skin with water. If this chemical penetrates the clothing, immediately remove the clothing and wash the skin with water. If symptoms occur after washing, get medical attention immediately.
Eye contact:	Immediately wash (irrigate) the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately.
Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Section 5. Fire Fighting Measures

Suitable / unsuitable extinguishing media:	SMALL FIRE: Not applicable. LARGE FIRE: Not applicable.	
Specific hazards / combustion products:	Non-flammable. When heated, vapors may form violent, sometimes explosive mixtures with certain chemicals.	
Special protective equipment and precautions for fire-fighters:	Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing.	
NFPA Hazard Classification	Health – 2 Flammability – 0 Instability – 0	0-Minimal 1-Slight 2-Moderate 3-Serious 4-Severe

Section 6. Accidental Release Measures

Personal precautions and protective equipment:	Ventilate the area. Stop leak if you can do it without risk. Do not touch damaged containers or spilled material unless wearing chemical protective clothing.
Environmental Precautions:	Not available.
Containment / clean up methods:	Dilute with water and mop up, or absorb with dry earth, sand or other non-combustible material and transfer to containers. If necessary, neutralize residue with a dilute solution of sodium carbonate.

Section 7. Handling and Storage

Precautions for safe handling:	Do not ingest. Do not breathe fumes. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes.
Conditions for safe storage:	Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatibilities to avoid:	Slightly reactive with oxidizing agents, reducing agents, metals, acids, alkalis. Reacts violently with strong oxidizing agents, acetaldehyde, and acetic anhydride. Material can react with metals, strong bases, amines, carbonates, hydroxides, phosphates, many oxides,cyanides, sulfides, chromic acid, nitric acid, hydrogen peroxide, carbonates. ammonium nitrate, ammonium thiosulfate, chlorine trifluoride, chlorosulfonic acid, perchloric acid, permanganates, xylene, oleum, potassium hydroxide, sodium hydroxide, phosphorus isocyanate, ethylenediamine, ethylene imine.

Section 8. Exposure Controls and Personal Protection

OSHA Permissible Exposure Limit (PEL):	10 ppm (25 mg/m3) TWA
Threshold Limit Value (TLV):	10 ppm (25 mg/m3) TWA, 15 ppm (37 mg/m3) STEL (CDC NIOSH safety card)
Other exposure limits:	NIOSH REL: 10 ppm (25 mg/m3) TWA, 15 ppm (37 mg/m3) STEL LEL: 4.0% (10% LEL, 4,000 ppm) Original (SCP) IDLH (Immediately Dangerous to Life or Health): 50 ppm
Engineering controls:	Use fume hood or other means of adequate ventilation.
Personal protective equipment:	**Respiratory Protection** Respiratory protection is not necessary for normal handling. Adequate room ventilation or fume hood is sufficient. **Eye Protection** Splash goggles. **Skin Protection** Lab coat or Synthetic apron. Gloves.
Other personal protection measures:	Provide nearby eyewash station and safety shower.

Section 9. Physical and Chemical Properties

Appearance (physical state, color, etc.):	Clear, colorless liquid.
Odor:	Pungent odor, characteristic of vinegar.
Odor threshold:	Data not available
pH:	Acidic
Melting point / freezing point:	Data not available for solutions of acetic acid.
Initial boiling point and boiling range:	Data not available for solutions of acetic acid.
Flash point:	Data not available for solutions of acetic acid.
Evaporation rate:	Data not available for solutions of acetic acid.
Flammability	Data not available for solutions of acetic acid.
Upper / lower flammability or explosive limits:	Data not available for solutions of acetic acid.
Vapor Pressure:	Data not available for solutions of acetic acid.
Vapor density:	Data not available for solutions of acetic acid.
Relative density:	Data not available for solutions of acetic acid.
Solubility:	Data not available for solutions of acetic acid.
Partition coefficient: n-octanol/water:	Data not available for solutions of acetic acid.
Auto-ignition temperature:	Data not available for solutions of acetic acid.
Decomposition temperature:	Data not available for solutions of acetic acid.
Viscosity:	Data not available for solutions of acetic acid.

Section 10. Stability and Reactivity	
Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Slightly reactive to reactive with oxidizing agents, reducing agents, metals, acids, alkalis.
Conditions to avoid (static, shock, vibration…)	Reacts violently with strong oxidizing agents, acetaldehyde, and acetic anhydride. Material can react with metals, strong bases, amines, carbonates, hydroxides, phosphates, many oxides, cyanides, sulfides, chromic acid, nitric acid, hydrogen peroxide, carbonates, ammonium nitrate, ammonium thiosulfate, chlorine trifluoride, chlorosulfonic acid, perchloric acid, permanganates, xylene, oleum, potassium hydroxide, sodium hydroxide, phosphorus isocyanate, ethylenediamine, ethylene imine.
Incompatible materials:	Slightly reactive to reactive with oxidizing agents, reducing agents, metals, acids, alkalis.
Hazardous decomposition products:	Not Available.

Section 11. Toxicological Information	
Routes of exposure:	Inhalation, skin and/or eye contact.
Acute Symptoms (acute):	• Inhalation: Irritation of nose and throat. Chronic bronchitis. • Eye Contact: Irritation and burns. conjunctivitis, lacrimation (discharge of tears) • Skin Contact: Irritation. Skin burns. Skin sensitization. Black skin. Hyperkeratosis. • Ingestion: Dental erosion.
Symptoms (chronic): Chronic effects from short and long term exposure:	• Ingestion and Inhalation: Prolonged or repeated ingestion of large doses may affect behavior, liver, and metabolism (weight loss). Prolonged or repeated inhalation may cause pharyngitis, chronic bronchitis, and may affect blood (changes in leukocyte count), and urinary system (kidney damage). Prolonged or repeated ingestion or inhalation may cause erosion of teeth. • Skin: Prolonged or repeated skin contact may cause irritation or dermatitis, hyperkeratosis. • Eyes: Prolonged or repeated eye contact may cause conjunctivitis.
Numerical measures of toxicity (e.g., acute toxicity estimates):	Not available
NTP carcinogen:	Not available
EPA carcinogen:	Not available
ACGIH carcinogen:	Not available
IARC potential carcinogen:	Not available
OSHA carcinogen:	Not available

Section 12. Ecological Information (Non-mandatory)	
Ecotoxicity (aquatic and terrestrial, where available):	Not available
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

Section 13. Disposal Considerations (Non-mandatory)	
Safe methods of disposal:	Dispose of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information (Non-mandatory)

US DOT	UN number:	N/A	Class:	N/A	Packing Group:	Not a DOT Controlled Material
UN proper shipping name:			N/A			
Packing group, if applicable:			N/A			
Environmental hazards (marine pollutant, etc…)			N/A			
Special transport precautions:			N/A			

Section 15. Regulatory Information (Non-mandatory)

Specific safety, health, and environmental regulations:	N/A

Section 16. Other information

Date of preparation or last revision:	11/13/2024