

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Acetic Acid Solution 3%

**SYNONYMS:** 3% Acetic Acid Solution

**CATALOG CODES:** VAS  
**MANUFACTURER:** Volu-Sol  
**ADDRESS:** 5095 West 2100 South  
 Salt Lake City, UT 84120

**EMERGENCY PHONE:** (800) 535-5053  
**OTHER CALLS:** (801) 974-9474  
**FAX:** (801) 974-9553

**CHEMICAL FAMILY:** -  
**CHEMICAL FORMULA:** -  
**PREPARED BY:** Volu-Sol

**RECOMMENDED USE:** Laboratory chemical

**RESTRICTIONS ON USE:** Use as recommended

## SECTION 2: HAZARD(S) IDENTIFICATION

## EMERGENCY OVERVIEW:

**GHS Classification:** Skin Irritation (Category 2)  
 Serious Eye Damage (Category 1)

## GHS LABEL ELEMENTS:

**Pictogram:**   
**Signal Word:** Danger

**Hazard Statement(s):**  
 H315 Causes skin irritation  
 H318 Causes serious eye damage

**Precautionary Statement(s):**  
 P264 Wash skin thoroughly after handling  
 P280 Wear protective gloves/ eye protection/ face protection  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P310 Immediately call a POISON CENTER or doctor/physician  
 P321 Specific treatment (see supplemental first aid instructions on this label)  
 P332+P313 If skin irritation occurs: Get medical advice/attention  
 P362 Take off contaminated clothing and wash before reuse

**OTHER HAZARDS:** -

## HMIS Classification:

**Health hazard:** 3  
**Chronic health hazard:** -  
**Flammability:** 0  
**Physical hazards:** 0

## NFPA Rating:

**Health hazard:** 3  
**Fire:** 0  
**Reactivity Hazard:** 0

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.
Acetic Acid (1-5%)	64-19-7 200-580-7 607-002-00-6

## SECTION 4: FIRST AID MEASURES

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician

**INGESTION:** If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

**SKIN:** Wash off with soap and plenty of water. Consult a physician

**EYE:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital

## SECTION 5: FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR:** **Percentage by Volume**  
 Upper: -%  
 Lower: -%

**FLASH POINT:** -

**AUTOIGNITION TEMPERATURE:** -

**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**FIRE FIGHTING PROCEDURES:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode

**FIRE AND EXPLOSION HAZARDS:** No data available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Use personal protective equipment. Avoid breathing vapours, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Do not let product enter drains. Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Dispose of in accordance with local regulations. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The number to contact the US Coast Guard National Response Center is (800) 424-8802

## SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. 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

**INCOMPATIBILITIES:** Strong oxidizing agents, bases

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE LIMITS:** Reported in a time-weighted average (TWA)

Component	CAS-No.	Reference	OSHA		ACGIH	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Acetic Acid	64-19-7		10	25	10	25
			PEL	PEL	TLV	TLV

**VENTILATION SYSTEM:** Local and/or general exhaust is recommended to keep exposure below limits. Local exhaust ventilation is preferred for control of the emissions at its source, preventing dispersion into the general work area. Please refer to the ACGIH document, *Industrial Ventilation: A Manual of Recommended Practices*, for details

**PERSONAL RESPIRATORS:** If exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapour respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier; whichever is lowest. A full-face piece organic vapour respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face, positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres

**SKIN PROTECTION:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

**EYE 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). Maintain eye wash fountain and quick-drench facilities in work area

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** liquid  
**ODOR:** -  
**SOLUBILITY:** -  
**pH:** -  
**BOILING POINT:** -  
**MELTING POINT:** -  
**VAPOR PRESSURE:** -  
**SPECIFIC GRAVITY:** -  
**MOLECULAR WEIGHT:** -  
**DENSITY:** -  
**VISCOSITY:** -  
**REFRACTIVE INDEX:** -

#### SECTION 10: STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under recommended conditions of use and storage

**CONDITIONS TO AVOID:** -

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No data available

#### SECTION 11: TOXICOLOGICAL INFORMATION

##### TOXICOLOGICAL INFORMATION:

**Acute Toxicity:** No data available  
**Skin/Eye Irritation:** No data available  
**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen  
**ROUTES OF ENTRY:** Inhalation/Ingestion/Skin

#### SECTION 12: ECOLOGICAL INFORMATION

##### ECOLOGICAL INFORMATION:

**Toxicity:** No data available  
**Biodegradability:** No data available  
**Mobility in soil:** No data available  
**PBT/vPvB Results:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

#### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** 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. Dispose of as unused product

#### SECTION 14: TRANSPORT INFORMATION

US DOT	IATA	TDG	IMDG/IMO
Not dangerous goods			

#### SECTION 15: REGULATORY INFORMATION

<b>SARA 302</b>	-
<b>SARA 313</b>	-
<b>SARA 311/312 Hazards</b>	Acute Health Hazard, Chronic Health Hazard
<b>State</b>	Right to know lists: MA: 64-19-7 PA: 64-19-7, 7732-18-5 NJ: 64-19-7, 7732-18-5 California Prop. 65 Components: -

#### SECTION 16: OTHER INFORMATION

**Disclaimer:** The information is provided without any representation or warranty, express or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use, and disposal

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