

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

- **Product name:** ACETIC ACID-56%
- **Manufacturer:** Deep South Chemical, Inc.
229 Millstone Road
Broussard, LA 70518 (337) 837-9931
- **For Emergency :** Call CHEMTREC 1-800-424-9300
Outside the U.S.A. (703)-527-3887
- **Chemical Family:** ACID
- **Contact Person:** Glenn Ray
- **Formula:** ACETIC ACID (56.0%)
- **MSDS Revised:** January 1, 2014

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	CAS Number	%	PEL(OSHA)		TLV(ACGIH)		IDLH
			TWA	STEL	TWA	STEL	
CH ₃ OOH	64-19-7	56.0	10ppm	N/E	10ppm	15ppm	50ppm

SECTION 3. HAZARDS IDENTIFICATION, INCLUDING EMERGENCY OVERVIEW

Effects of overexposure:

Inhalation: Irritant

Eye Contact: Can burn the eye cornea

Skin Contact: Irritating to skin. Toxic if absorbed through skin.

Ingestion: Irritation of the mouth, throat, and digestive tract.

SECTION 4. FIRST AID MEASURES

Eyes: Move victim away from exposure and into fresh air. If irritation persists, seek medical attention. For direct exposure, flush with clean water for 15 minutes. Hold eyelids apart to ensure flushing of the entire eye surface.

Inhalation: Move victim away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing, artificial respiration should be administered.

Skin: Remove contaminated clothes. Cleanse affected area thoroughly with soap and water. If irritation persists, seek medical attention. Wash contaminated clothing.

Ingestion: Drink plenty water. Do not induce vomiting. If victim is drowsy or unconscious, place on left side with head down. Seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Fire fighting measures: Use water fog, powder, foam, or CO₂ to extinguish fire.

Special Fire Fighting Procedures: Water spray to cool drums.

Explosive Properties:

LEL: 0.7%

UEL: 6.1%

SECTION 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is released or spilled: Use proper personal protective equipment. Stay upwind and away from spill. Keep all sources of ignition and hot metal surfaces away from spill. If spill is indoors, ventilate area. Keep out of drains, sewers or waterways. Use sand or other inert material to contain and soak up spill.

Waste disposal method: Dispose of according to local, state and federal regulations in an approved disposal facility or recycling facility.

SECTION 7. HANDLING AND STORAGE

Storage: Store in a well-ventilated area. Keep container tightly closed when not in use. Store in cool, dry area. Keep away from sources of ignition.

Handling: Use proper personal protective equipment. Avoid contact with skin or eyes. Avoid breathing of vapors. Handle in well-ventilated workspace. When handling do not eat, drink, or smoke.

Other precautions: Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks or other sources of ignition.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Keep work area well ventilated.

Protective clothing: Impermeable gloves and impervious clothing as appropriate.

Eye protection: Chemical goggles where splashing may occur.

Respiratory Protection: Use appropriate respiratory protection when handling or in case of insufficient ventilation.

Special Protection: Safety shower, eye bath, and washing facilities should be available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity @ 75°F (H₂O = 1): 1.04

Flash Point: 102°F

Viscosity: 1.22 cp @ 75°F

Vapor density (Air = 1): >1

Solubility: 100% in water

Vapor pressure @ 75°F: 11 mm Hg

Evaporation Rate: N/D

Appearance and Odor: Clear liquid with pungent odor

Boiling Point: 245°F

Freezing Point: N/D

Percent Volatile by Volume: N/D

pH: <1.0

Auto-ignition: N/D

SECTION 10. STABILITY AND REACTIVITY

Stability and Reactivity: Stable in normal conditions.

Incompatibility/Materials: Strong oxidizing agents. Do not use with aluminum equipment at temperatures above 120°F.

Hazardous Decomposition Products: Smoke, carbon oxides.

Hazardous polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Hazardous Ingredients: Irritating to eyes and skin.

Immediate Health Effects: Irritation.

Delayed Health Effects: Inflammation of skin with frequent or prolonged skin contact.

Acute Effects (Short term):

Inflammation of respiratory system.

Chronic Effects (Long term): N/D

SECTION 12. ECOLOGICAL INFORMATION

Environmentally Dangerous Ingredients: None

Persistence and Degradability: All the components are biodegradable.

Ecotoxicity Values: Mosquito fish, TL_m=251ppm/24 hour

Fathead minnow, LC₅₀=315mg/L/1 hour, 122mg/L/24 hour and 88mg/L/96 hour

Bluegill, TL_m=75mg/L/96 hour



SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of waste materials: Incinerate or in compliance with local regulations.
Disposal of waste containers: Recycle, clean out residues.
Disposal restrictions: Comply with local regulations.
Statutory notification required: N/A

SECTION 14. TRANSPORT INFORMATION

DOT transport information: UN 2790, Acetic Acid Solution (56%),
(More than 10% but not more than 80% acid by mass) 8, PG II

Shipping labeling: Corrosive

SECTION 15. REGULATORY INFORMATION

Toxic Substances Control Act (TCSA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

CERCLA RQ-40 CFR 302.4(a)

<u>Component</u>	<u>CERCLA RQ (lbs)</u>
Acetic Acid	5000

SARA 302 Components-40 CFR 355 Appendix A

<u>Component</u>	<u>TPO(Threshold Planning Quantity) (lbs)</u>
None	

Section 311/312 Hazard Class-40 CFR 370.2

- Immediate (X)
- Delayed (X)
- Fire (X)
- Reactive ()
- Sudden Release of Pressure ()

SARA 313-40 CFR 372.65

<u>Component</u>	<u>CAS Number</u>	<u>%</u>
None		

SECTION 16. OTHER INFORMATION

NFPA RATING: Health (2) Fire (2) Reactivity (0)

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N/D= No data; N/A = Not available; N/E= Not established