



Material Safety Data Sheet

Signatur Sour

1. Identification of the Substance/Preparation and the Company/Undertaking

Revision date 10-11-2005

Substance or preparation trade name: Signatur Sour
Unique reference numbers(s): 008201
Company/undertaking name & address: Caled Industries, 26 Hanes Drive, Wayne, NJ 07470

Telephone: 1-800-652-2533
Emergency telephone number: 1-800-424-9300 Chemtrec

2. Hazardous Ingredients

Substance:	Aprox. %	CAS #
Citric Acid	15 – 40	77-92-9

3. Hazards Identification

Health: 2 Flammability: 0 Reactivity: 1

4. First aid measures

Skin contact: Remove contaminated clothing and flush areas with water. Get medical attention if irritation persists.

Eyes contact: Will cause burns. Flush eyes with large amount of water. Get medical attention.

Ingestion: Not a normal route of entry. Do not induce vomiting. Dilute with water or milk. Get medical attention

5. Fire fighting measures

Suitable extinguishing media: Water, dry chemicals

Unsuitable extinguishing media:

Special hazards in fire: None known

Required special protective equipment .

for fire-fighters: Protective gears

6. Accidental release measures



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Personal precautions: Wear safety glasses and gloves
Environmental precautions: None known
Methods for cleaning: Neutralize. Flush area with water if locally permitted.
Dispose of in accordance with federal, state and local regulations.

7. Handling and storage

Handling: Standard work gloves. Local ventilation. NIOSH approved respirator with dust
And mist filter while handling crystalline material and concentrated solutions.

Storage: Keep container closed. Store in dry area.

8. Exposure Controls

Engineering measures: None known
Control Parameters:
Personal protection equipment:
Eye protection: Safety glasses or safety shield. Eye wash station.
Hand protection: Neoprene gloves
Hygiene measures:

9. Physical and chemical properties

Appearance: Clear liquid
Odor: Odorless
pH: 2.0 – 3.0
Boiling point: 212F
Melting point: NA
Flashpoint: None
Explosive properties:
Vapor pressure: NA
Relative density: 1.1150
Solubility: Soluble in water

10. Stability and reactivity

Conditions to avoid: None known
Materials to avoid: Strong acids, Some metals as brass, copper, aluminum
Hazardous decomposition products:
None known

11. Toxicological information

Acute toxicity:
Local effects



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Excessive exposure may affect human health as follows:

Skin contact: Will cause burn.

Eye contact: Will cause chemical burns, may cause severe damage to eyes.

Inhalation/ingestion: Will cause chemical burns to mucosal tissue and possible stomach lining.

12. Ecological information

None known

13. Disposal Considerations

Solution should be neutralize. Contact local authorities for disposal regulations.

14. Transport information

Classification data :

DOT: Not regulated

UN: Not regulated

15. Regulatory information

Toxics Release Inventory SARA TITLE III, Section 313:

None

16. Other Information

Recommendations/restrictions:

Sources of key data used to compile:

NA= Not applicable ND= No data available NE= No establish <=Less than >= Greater than

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