
MATERIAL SAFETY DATA SHEET

1. PRODUCT NAME AND COMPANY IDENTIFICATION

PRODUCT NAME	CITRIC ACID 99%
COMPANY NAME	Catz Chemical
COMPANY ADDRESS	306, Aangi arcade, Opp. Jawahar Medan, Aatabhai Chowk, Bhavnagar – 364002, Dist. Bhavnagar, Gujarat, INDIA. C: +91 989 841 9831 info@catzchemical.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients :	Citric Acid
Hazardous Components:	None
CAS #:	77-92-9

3. HAZARDS IDENTIFICATION

ROUTES OF ENTRY	
Eye Contact	Causes severe eye irritation and possible injury.
Skin Contact	Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.
Ingestion	May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Excessive intake of citric acid may cause erosion of the teeth.
Inhalation	Causes respiratory tract irritation.

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4. FIRST AID MEASURES

Eyes	Immediately flush contaminated eyes with a directed stream of water for as long as possible. Remove contact lenses, if present and easy to do. Continue rinsing. GET MEDICAL ATTENTION IMMEDIATELY. Washing eyes within several seconds is essential to achieve maximum effectiveness.
Skin	Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated areas with large amount of water. GET MEDICAL ATTENTION IMMEDIATELY. Thoroughly clean and dry contaminated clothing before reuse. Discard contaminated leather goods.
Ingestion	If swallowed, do not induce vomiting. For definite or probable ingestion, do not administer oral fluids. If vomiting occurs spontaneously, keep airway clear.
Inhalation	If inhalation of mists, vapors, or spray occurs and adverse effects result, remove to uncontaminated area. GET MEDICAL ATTENTION IMMEDIATELY.

5. FIRE FIGHTING MEASURES

Extinguishing Media	<ul style="list-style-type: none">· Water Spray· foam· Dry Chemical· Carbon Dioxide
Special Firefighting Procedures	Wear self-contained breathing apparatus for firefighting if necessary.
Unusual Fire & Explosion Hazards	N/A

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Environmental Precautions	Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.
Methods for Cleaning Up	Sweep up and shovel. Keep in suitable, closed containers for disposal.

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7. HANDLING AND STORAGE

Handling Safe Handling	Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not ingest. Do not eat, drink or smoke in areas where this material is used.
Storage Requirements for Storage Areas and Containers	Keep container tightly closed in a dry and well-ventilated place. hygroscopic Keep in a dry place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye	Safety glasses should be worn. Eyewash facility should be nearby.
Skin/Body	No precautions other than clean body-covering clothing should be needed.
Respiratory	If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Color	White
Odor	Odorless
Molecular Formula	C ₆ H ₈ O ₇
Molecular Weight	192.12
Solubility	59.2% (20°C)
Specific Gravity / Density	1.6650g/cm ³
Freezing/Melting Point	153 - 154.5 deg C

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Conditions to Avoid	Incompatible materials, dust generation, moisture, exposure to moist air or water.
Hazardous Decomposition Products	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Routes of Entry	Inhalation. Ingestion
Chronic Effects on Humans	Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation.
Other Toxic Effects on Humans	Skin: It can cause skin irritation which is usually mild & solutions can cause chemical burns. Eyes: Causes moderate eye irritation. It may cause Salt Cataract, increased ocular pressure, and degeneration of the retina Inhalation: It can cause respiratory tract and mucous membrane irritation which is usually mild. Ingestion: May be harmful if swallowed

12. ECOLOGICAL INFORMATION

Eco toxicity	NA
Persistence/degradability and mobility	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Waste must be disposed of in accordance with federal, state and local environmental control regulations
Container Management	Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container reinstatement must be disposed of in compliance with applicable regulations.

14. TRANSPORT INFORMATION

DOT Classification	Signal: Danger Harmful if swallowed Causes severe skin burns and eye damage May cause respiratory irritation
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15. REGULATORY INFORMATION

TSCA	CAS# 77-92-9 is listed on the TSCA inventory.
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16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

This product is not considered hazardous.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however; all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.



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