

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Citric Acid
PRODUCT ID: 0203X
PRODUCT USE: clarifying agent, water softener, buffer, foam booster and stabilizer, complexion agent, cosmetic products, cleaning products,
EMERGENCY: CALL CHEMTREC 1-800-424-9300

MANUFACTURER: National Chemicals, Inc.
 PO Box 32, Winona, MN 55987
 800-533-0027 or 507-454-5640
 info@NationalChemicals.com

SECTION 2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Health Eye Irritation Category 2A	Environmental	Physical
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Hazard Symbols:
Eye Irritation



Signal Word:
WARNING

Hazard Statements H319: Causes serious eye irritation	Precautionary Statements P264: Wash thoroughly after handling P280: Wear eye and face protection
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SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration % by Weight
Citric Acid Anhydrous	77-92-9	99-100%

Other ingredients are judged to be non-hazardous, their CAS numbers and exact percent of composition are proprietary to National Chemicals, Inc.

SECTION 4 FIRST AID MEASURES

If in Eyes: Irritating to the eyes resulting in stinging, reddening, tearing and swelling. Wash with plenty water. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If on Skin (or hair): May irritate skin, resulting in reddening, stinging, and swelling when contact is frequent or skin sensible. Wash with plenty water. If condition is critical get medical advice/attention.

If Inhaled: Remove to fresh air and call a physician for instructions. In case of difficulty breathing, use oxygen assistance. Get medical advice/attention if condition is critical.

If Swallowed: Wash the mouth plenty of water and give potable water to drink. If person is unconscious DO NOT give anything to drink. DO NOT induce vomiting. Contact the local services for medical attention/advisers for instructions.

SECTION 5 FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water spray, carbon dioxide, dry chemical powder.

Protection for Firefighters: Wear self-contained breathing apparatus and full protective gear, as with any fire.

Fire and Explosion Hazards: Solid organic acid and can burn under adequate temperature. High dust concentration would be hazardous in closed areas and direct flame. Burning of product could produce irritant/toxic fumes as monoxide or dioxide of carbon.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Minimize dust generation. Avoid breathing dust. Wear appropriate personal protective equipment.

Methods For Cleaning Up: Sweep up and containerize for disposal. Flush spill area with plenty of water.

SECTION 7 HANDLING AND STORAGE

Handling : Wear personal protective equipment. Avoid dust generation. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. It is prohibited to eat, drink or smoke during the handling or working this product.

Storage: Store in a dry place away from sun light, excessive heat, in original containers.

SECTION 8 PRECAUTIONS TO CONTROL EXPOSURE/PERSONAL PROTECTION

- Eye Protection:** Wear safety glasses with side shields.
- Skin Protection:** Use rubber or neoprene gloves. Thoroughly clean and dry contaminated clothing before reuse.
- Engineering Controls:** Use local ventilation if dusting is a problem. To maintain air levels below the recommended exposure limit (less than 10 mg/m³) may be used mechanical ventilation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** White Powder, free flowing
- Odor:** Odorless
- Water Solubility:** 59,2 g/100g at (20°C), Soluble in water, alcohol and moderately soluble in ether
- pH:** 2,2 (1% solution)
- Boiling Point:** Not applicable
- Freezing:** 153 °C

SECTION 10 STABILITY AND REACTIVITY

- Stability:** Stable under normal use and storage.
- Decomposition:** None Known
- Incompatible Materials:** Strong oxidizing agents, strong bases.
- Conditions to Avoid:** Do not mix with anything but water.

SECTION 11 TOXICOLOGICAL INFORMATION

- Eye Contact:** Highly irritating to the eyes, will cause tearing, stinging, blurred vision and redness.
- Skin Contact:** Causes irritation to skin. Symptoms include redness, itching, and pain.
- Ingestion:** Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. Extremely large oral dosages may produce gastrointestinal disturbances. Calcium deficiency in blood may result in severe cases of ingestion.
- Inhalation:** Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.
- Chronic Effects:** Chronic or heavy acute ingestion may cause tooth enamel erosion. Prolonged or repeated skin contact may cause defatting leading to dermatitis.

SECTION 12 ECOLOGICAL INFORMATION

- Ecotoxicity:** Avoid contaminating waterways, drains and sewers. The product forms a moderately acidic aqueous solution and this property may cause environmental effects. It has a high biological oxygen demand and it may cause significant oxygen depletion in aquatic systems. If neutralized, it has low potential to affect aquatic organisms, secondary waste treatment microorganisms and the germination and growth of some plants. When diluted with a large amount of water, this chemical released directly or indirectly into the environment is not expected to have a significant impact.

SECTION 13 WASTE DISPOSAL CONSIDERATIONS

Cover with soda ash or sodium bicarbonate to neutralize. Mix and add water if necessary. Scoop up slurry and dispose in accordance with existing National state and local environmental control regulations. DO NOT INCINERATE The by-products carbon dioxide and monoxide can be hazardous.

SECTION 14 TRANSPORT INFORMATION

- Hazard Class:** Not classified as hazardous according to Department of Transportation

SECTION 15 REGULATORY INFORMATION

- TSCA Inventory Status:** All components of this product are on the TSCA Inventory or are exempt for TSCA Inventory requirements.
- CERCLA Reportable Quantity:** None
- CA Proposition 65:** Not Applicable

SECTION 16 OTHER INFORMATION

- Training Necessary:** Yes, training in practices and procedures contained in product literature or on product label
- Issue Date:** May 27, 2015
- Supersedes:** June 29, 2010

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.