

# MATERIAL SAFETY DATA SHEET

Product Name: CitraSour

Product No. 036.00

## SAVIN PRODUCTS COMPANY, INC.

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CITRASOUR

Emergency phone: Chemtrec: 800-424-9300

Product Information: 781-961-2744

Company: SAVIN PRODUCTS COMPANY, INC  
214 HIGH STREET  
RANDOLPH, MA 02368

Date Prepared: 05-24-04

Supersedes: 08-09-99

Prepared by: KJS

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Exposure Limits</u>	<u>Typical % by Weight</u>
1. Citric Acid	77-92-9	N/A	40-60

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**WARNING:** Causes eye irritation. May cause skin irritation with prolonged contact. Dust may cause irritation to respiratory tract. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Avoid breathing dust. Do not take internally. Use adequate ventilation when handling.

#### EFFECTS of OVEREXPOSURE:

##### CARCINOGENICITY:

NTP: No

IARC: No

OSHA: No

EYES: Causes eye irritation, possibly severe.

SKIN: Repeated or prolonged contact may cause irritation.

INHALATION: Inhalation of dust may cause irritation to nasal and respiratory passages.

INGESTION: May result in irritation to mouth, throat, esophagus and stomach

CHRONIC EFFECTS and MEDICAL CONDITIONS: The effects of long-term, low-level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the avoidance of all effects from repetitive acute exposure. This product may aggravate existing eye, skin and respiratory conditions.

### 4. FIRST AID MEASURES

EYES: Flush with copious amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention.

SKIN: Immediately flush with water. Remove contaminated clothing. Launder contaminated clothing before reuse.

INHALATION: Remove to fresh air. Flush mouth and nasal passages with water. Get medical attention.

INGESTION: If swallowed, give several glasses of water. Do not induce vomiting. If vomiting does occur, give fluids again and keep head below hips to help prevent aspiration. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

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## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES:

Flash Point: None                      Test: Closed Cup (Method D-56)  
Explosive Limits:    LEL: N/A                      UEL: N/A

EXTINGUISHING MEDIA: Deluge with water.

SPECIAL PROCEDURES & UNUSUAL HAZARDS: Combustion may produce noxious and irritating gases which require fresh air source in fire fighting.

FIREFIGHTING INSTRUCTIONS: Firefighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

## 6. ACCIDENTAL RELEASE MEASURES

Small Spills: Collect spilled material and dispose according to state and local regulation.

Large Spills: Limit access to area. Contain spill and transfer the solid to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

## 7. HANDLING AND STORAGE

Handle according to good manufacturing and warehousing practices. Store only in tightly closed containers away from heat, strong alkalis and reactive metals. Use good personal hygiene practices. Wash hand before eating, drinking, smoking or using toilet facilities. Promptly remove soiled clothing and wash thoroughly before reuse. Store only in tightly closed containers away from heat.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Avoid splashing. Wear chemical-resistant safety goggles if necessary. Contact lenses must not be worn.

PROTECTIVE GLOVES: Depending on conditions of use, protective gloves, apron, boots, head and face protection should be worn. This equipment should be cleaned thoroughly after each use.

RESPIRATORY PROTECTION: No occupational exposure standards have been developed for this material. Where exposure through inhalation may occur from use, NIOSH/MSHA approved respiratory protection equipment is recommended.

VENTILATION: Ventilation is required in case of dust conditions. Either local exhaust or general room ventilation is usually adequate.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White, free-flowing, granular powder

BOILING POINT: Solid

FREEZE/MELT POINT: N/A

VAPOR PRESSURE (mm): N/A

VAPOR DENSITY (air=1): N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: N/A

DENSITY: N/A

pH: (1% aqueous solution): 2.0 – 3.0

ODOR: Mild Characteristic

ODOR THRESHOLD (ppm): Not determined.

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY (CONDITIONS TO AVOID): Stable.

INCOMPATIBILITY: May form explosive mixtures with metallic nitrates and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and other toxic gases

HAZARDOUS POLYMERIZATION: None

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## 11. TOXICOLOGICAL INFORMATION

No LD50 or LC50 found for oral, dermal or inhalation routes of administration.

## 12. ECOLOGICAL INFORMATION

Toxic to aquatic life. Do not discharge to streams, ponds, or waterways. .

## 13. DISPOSAL CONSIDERATIONS

RCRA: This product, if disposed as shipped, is not considered a hazardous waste as specified in 40 CFR 261. Dispose in accordance with all applicable federal, state and local regulations.

## 14. TRANSPORT INFORMATION

SHIPPING NAME: Cleaning Compound, solid  
HAZARD CLASS: Not regulated as HAZMAT  
ID#: N/A  
PACKING GROUP: N/A  
LABEL: N/A

## 15. REGULATORY INFORMATION

This material does not contain nor was it manufactured using ozone-depleting chemicals.

### U.S. FEDERAL REGULATIONS:

TSCA STATUS: All ingredients on Toxic Substance Control Act Inventory.

CERCLA REPORTABLE QUANTITY: None

### SARA TITLE III:

Section 302 Extremely Hazardous Substances:	None.
Section 311/312 Hazardous Categories:	Immediate (Acute)
Section 313 Toxic Chemicals:	None.

## 16. OTHER INFORMATION

All label precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse this container unless it is professionally cleaned and reconditioned.

### REFERENCES:

- U.S. Dept. of Health and Human Services, NIOSH: Registry of Toxic Effects of Chemical Substances, 1985-86 Edition.
- Sax, N. Irving and Lewis, R.J.: Dangerous Properties of Industrial Materials, 7th Edition, Van Nostrand Reinhold Co., 1989.
- Lewis, R.J.: Hawley's Condensed Chemical Dictionary, 12th Edition, Van Nostrand Reinhold Co., 1993.
- U.S. Dept. of Transportation, U.S. Coast Guard: CHRIS Hazardous Chemical Data, 1982.
- U.S. Dept. of Labor, OSHA: Air Contaminants - Permissible Exposure Limits, 1989.
- National Fire Protection Association (NFPA): Fire Protection Guide on Hazardous Materials (NFPA 325M/49/491M/704), 9th Edition, 1986.
- National Fire Protection Association (NFPA): Hazardous Materials Response Handbook, Henry, M.F., Editor, 1989.
- Merck & Co., Inc.: The Merck Index, 11th Edition, 1989.

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