

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Trade name: Citric Acid Flakes  
Brand: DIYChemicals, Chemboys

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Industrial or Commercial Use only.  
Uses advised against: All other uses.

### 1.3 Details of the supplier of the Safety Data Sheet

Chemboys LLC  
212 Industrial Place,  
Liberty, TX 77575,  
USA

Phone: (855) 243-6722  
E-mail: info@chemboys.com

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.  
Eye irritation, category 2

### 2.2 Label elements

Labelling according to OSHA Hazardous Communication Standard 29 CFR 1910.1200:



**Signal word:** Warning

**Hazard statements:**  
H319 Causes serious eye irritation.

### Precautionary statements:

P221 Take any precaution to avoid mixing with combustibles.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P330 Rinse mouth.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

**2.3 Other hazards**  
None known.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

This product is a mixture meeting the criteria for classification in accordance with OSHA Hazardous Communication Standard 29 CFR 1910.1200.

**Ingredients:**

Name	CAS No.	GHS classification	% (w/v)
Citric acid	77-92-9	Eye Irrit. 2, H319	>99

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

**Following inhalation:** If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Following skin contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Following eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Following ingestion:** If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Rinse mouth.

**Protection of first aider:** Not applicable.

**4.2 Most important symptoms and effects**

**Symptoms:** The known symptoms and effects are described in section 2.2 of this SDS.

**Risks:** Untreated symptoms may result in additional health risks.

#### 4.3 Indication of any immediate medical and special treatment

The physician may contact the national poison centre for advice.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

**Unsuitable extinguishing media:** No data available.

#### 5.2 Specific hazards arising from mixture

The release of the following substances is possible in a fire: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke) Nitrous oxides. May form explosive mixtures with air.

#### 5.3 Advice for fire fighters

**Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

#### 5.4 Other information

No other information available.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 NOTES FOR NON-EMERGENCY PERSONNEL:** Put on appropriate personal protective equipment (see section 8).

**6.2 ENVIRONMENTAL PRECAUTIONS:** Do not allow spills to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**Notes for those trained to participate in an emergency:**

**6.3 ACCIDENTAL RELEASE MEASURES:** Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel. Ventilate the area. Eliminate all ignition sources. Avoid generation of vapors. Avoid contact with cellulose, paper, sawdust or similar substances. Risk of self-ignition or promotion of fires. Combustible materials exposed to hydrogen peroxide should be rinsed immediately with large amounts of water to ensure that all the hydrogen peroxide is removed. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labelled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

### SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Use only in areas provided with adequate exhaust ventilation. Providing the product handling area with emergency shower set and eye wash. Handling must only be done with the indicated PPEs and under safe conditions. Avoid a formation of vapors/ aerosol. Working with exhaust / chimney. Do not inhale the substance / mixture. Wear specific PPEs - splash glasses, face shield, PVC gloves and protective clothing. To avoid inhaling vapors. Washing after handling and decontaminate PPEs after use. The PPEs must be approved for use only with the respective CAs - Certificates of Approval.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage Conditions:** Keep the container hermetically sealed in a dry, cool and well-ventilated area. Storing in a cool, dry place in unopened original packaging. Avoid to humid, wet and slightly wet conditions, extremes of temperature and sources of ignition.

**Incompatible materials:** See section 10.

### 7.3 Specific end uses

See section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No data available.

### 8.2 Exposure controls

#### Engineering controls:

Ensure that eyewash stations and safety showers are close to the workstation location. Handle only in a place equipped with local exhaust (or other appropriate exhaust).

#### Personal Protective equipment:

Hand: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Body protection: Appropriate protective clothing should be worn to prevent skin contact.

Eye: Wear safety glasses as minimum eye protection. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.

Respiratory: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Other measures: No statement available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Solid
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point/range:</b>	No data available
<b>Boiling point/range:</b>	No data available
<b>Flash point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability:</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Solubility(ies):</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidizing properties:</b>	No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

It can react with concentrated strong oxidizers.

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Avoid extreme temperatures. Avoid to moisture.

### 10.5 Incompatible materials

Strong acids and strong oxidizing agents.

### 10.6 Hazardous decomposition products

By combustion or thermal decomposition (pyrolysis), it releases: Carbon oxides (CO + CO<sub>2</sub>) and sulfur oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### General information:

This product does not contain known human carcinogens.

### 11.1 Information on toxicological effects

**Acute Toxicity:**

No statements available for any of the ingredients.

**Skin corrosion/irritation:**

No statements available for any of the ingredients.

**Serious eye damage/irritation:**

Causes serious eye irritation.

**Respiratory or skin sensitization:**

No statements available for any of the ingredients.

**Germ cell mutagenicity:**

No statements available for any of the ingredients.

**Carcinogenicity:**

This product does not contain known human carcinogens.

**Reproductive toxicity:**

No statements available for any of the ingredients.

**STOT – single exposure:**

No statements available for any of the ingredients.

**STOT – repeated exposure:**

No statements available for any of the ingredients.

**Aspiration hazard:**

No statements available for any of the ingredients.

**Likely route(s) of exposure:**

Skin exposure and eye exposure are the most likely to occur. Accidental ingestion is also possible.

<b>SECTION 12: ECOLOGICAL INFORMATION</b>
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**General information:**

No statements available for any of the ingredients

**12.1 Toxicity**

No statements available for any of the ingredients.

**12.2 Persistence and degradability**

**Physical- and photochemical elimination:**

No statements available for any of the ingredients.

**Biodegradation:**

No statements available for any of the ingredients.

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### 12.3 Bioaccumulative potential

No statements available for any of the ingredients.

### 12.4 Mobility in soil

#### Known/Predicted environmental distribution:

No statements available for any of the ingredients.

#### Surface tension:

No statements available for any of the ingredients.

#### Adsorption/Desorption:

No statements available for any of the ingredients.

### 12.5 Results of PBT and vPvB assessment

This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

No statements available for any of the ingredients.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

#### Waste material:

Dispose according to Federal, State, Provincial and Local regulations.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID/IDMG/IATA: Non-regulated

### 14.2 UN proper shipping name

ADR/RID/IDMG/IATA: Non-regulated

### 14.3 Transport hazard class(es)

ADR/RID/IDMG/IATA: Non-regulated

### 14.4 Packing group

ADR/RID/IDMG/IATA: Non-regulated

### 14.5 Environmental hazards

ADR/RID/IDMG/IATA: Non-regulated

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**14.6 Special precautions for user**

No statements available.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable, as product is not shipped in bulk.

<b>SECTION 15: REGULATORY INFORMATION</b>
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**International Inventories**

TSCA: Complies

DSL: All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.

**US Federal Regulations**

**SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute health hazard: No

Chronic Health Hazard: No

Fire hazard: No

Sudden release of pressure hazard: No

Reactive Hazard: No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**Canada**

**WHMIS Hazard Class**

Not determined.

<b>SECTION 16: OTHER INFORMATION</b>
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**Further information**

The information presented in this Safety Data Sheet (SDS) is accurate to the best of our knowledge at the date of publication. The information given within the SDS is meant solely as a guide for safe handling, use, transportation, processing, storage, release and disposal. In no means can the information within the SDS be considered as a warranty or specification for quality.



