



Safety Data Sheet

Product Name: Medicator Rx

Revision Date: 16 September 2024

1. Chemical Product and Company Identification

Manufacturer:

Blue Ridge Elements, LLC
3730 Old Tasso Rd NE
Cleveland, TN 37312
1-423-693-0803
info@blueridgeelements.com

Emergency Telephone Number: For 24/7 multilingual advice for a spill, leak, fire, exposure, or accident call CHEMTREC at +1 703-527-3887 or 800-424-9300 (toll-free) and provide CCN 1020635.

Backup number: +1 423-693-0803 (United States, English only)

2. Hazards Identification

Classification: This mixture is classified as irritating to the skin and eyes according to GHS

Hazard Statements:

- H315: Causes skin irritation
- H319: Causes serious eye irritation



Precautionary Statements:

- Prevention:
 - Wash hands thoroughly after handling.
 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response:
 - If skin irritation occurs: Wash skin with soap and water.
 - If on skin: Wash with plenty of water.
 - If in eyes: 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.
 - Take off contaminated clothing and wash it before reuse.
- Disposal: Dispose of contents/container in accordance with local regulations.

3. Composition/Information on Ingredients

Component	CAS Number	Concentration (wt%)
Citric Acid	77-92-9	50-90%
Proprietary Blend Of Non-Hazardous Food-Grade Ingredients		10-50%

4. First-Aid Measures

General: In case of accident or if you feel unwell, seek medical advice immediately (show the safety data sheet if possible).

Inhalation: Remove person to fresh air and keep comfortable for breathing. If breathing problems persist, call a physician.

Skin Contact: Wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Eye Contact: 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.

Ingestion: Rinse mouth thoroughly with water. Give large amounts of water to drink. Do not induce vomiting. If vomiting occurs naturally, have person lean forward to vomit to avoid aspiration. Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell.

5. Fire-Fighting Measures

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide extinguishers.

Special Hazards Arising from the Substance or Mixture:

- Decomposes in heat, releasing irritating fumes.

Protective Equipment and Precautions for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

- Use personal protective equipment as required.
- Avoid breathing dust.
- Ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so.

Methods and Materials for Containment and Cleaning Up:

- Sweep up spilled material and place in a suitable container for disposal.
- Wash spill area with water.

7. Handling and Storage

Precautions for Safe Handling:

- Wash hands thoroughly after handling.
- Avoid contact with eyes, skin and clothing.
- Avoid breathing dust.
- Ensure good ventilation/exhaustion at the workplace.

Conditions for Safe Storage, Including Any Incompatibilities:

- Store in a cool, dry, well-ventilated place away from incompatible materials (bases, oxidizing agents).
- Keep container tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

- Citric Acid: OSHA PEL (TWA): 5 mg/m³ (dust)
- Malic Acid: Not established

Engineering Controls: Ensure good ventilation/exhaustion at the workplace.

Personal Protective Equipment:

- Eye/Face Protection: Safety glasses or goggles recommended.
- Skin Protection: Wear appropriate chemical resistant gloves.
- Respiratory Protection: In case of insufficient ventilation, wear dust mask.

9. Physical and Chemical Properties

- Appearance: Blue to off-white crystalline powder
- Odor: Odorless
- pH: 1-3 (10% solution)
- Melting Point/Freezing Point: No data available
- Boiling Point or Boiling Range: No data available
- Flash Point: No data available
- Evaporation Rate: No data available
- Flammability: No data available
- Upper/lower flammability or explosive limits: No data available
- Vapor pressure: No data available
- Vapor density: No data available
- Relative density: No data available
- Solubility: Soluble in water
- Partition coefficient: No data available
- Auto-ignition temperature: No data available
- Decomposition Temperature: No data available
- Viscosity: No data available
- Specific Gravity: No data available
- Bulk Density: No data available

10. Stability and Reactivity

- Reactivity: No data available
- Chemical stability: Stable at normal operating temperatures.
- Possibility of hazardous reactions: No data available
- Conditions to avoid: Storage or use near incompatible materials
- Incompatible materials: Oxidizing agents, sulfuric and nitric acid, strong acids, strong bases
- Hazardous decomposition Products: Oxides of carbon and irritating and toxic gases/fumes. Carbon oxides (CO, CO₂)

11. Toxicological Information:

- Likely routes of exposure:
Inhalation, skin contact and eye contact are likely. Ingestion is possible, but less likely.
- Symptoms related to physical, chemical and toxicological characteristics: Refer to section 4.2
- Delayed and immediate effects and also chronic effects from short- and long-term exposure: Refer to section 4.2
- Numerical measures of toxicity: This mixture has not been tested for health effects or toxicity as a whole. Estimates of toxicity based on individual ingredients and composition in the mixture and used in the GHS classification are listed below.

Acute Toxicity:		
Oral:	6730 mg/kg	LD50 orl-rat:
Chronic Toxicity: No additional information.		
Corrosion Irritation:		
Ocular:	Section 2	Classified as an eye irritant
Sensitization:		No additional information.
Single Target Organ (STOT):		No additional information.
Numerical Measures:		No additional information.
Carcinogenicity:		No additional information.
Mutagenicity:		No additional information.
Reproductive Toxicity:		No additional information.

12. Ecological Information:

Ecotoxicity:

Fish: LC50 (96h) L macrochius: 1516 mg/L

Persistence and degradability: readily degradable

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. Disposal Consideration

- Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Determine waste status prior to disposal in accordance with federal, state and local regulations.
- Contaminated packaging
Dispose of as unused product

14. Transport Information

- DOT (US)
Not dangerous goods

15. Regulatory Information

- SARA 302 components:

No chemicals in this mixture are subject to the reporting requirements of SARA Title III, Section 302

- SARA 313 components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

- SARA 311/312 hazards:

Acute

- California Prop. 65 components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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