

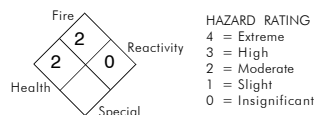


Citru-Zone

Concentrated Odor Neutralizer

**EMERGENCY MEDICAL
TELEPHONE NUMBER
1-913-588-6633**

MATERIAL SAFETY DATA SHEET



SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

Pur-O-Zone, Inc.
345 N. Iowa Street, Lawrence, KS USA
Telephone Number for information: 785-843-0771

Product Name: Citru-Zone
Date Prepared: October 2002
Prepared by Regulatory Affairs Department

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

N/A = Not Applicable N/E = Not Established

| Hazardous Components: CAS #s | OSHA PEL | ACGIH TLV | Other Limits | % Optional |
|------------------------------|----------|-----------|--------------|------------|
| C9-C12 Isoalkanes 64741-65-7 | N/E | N/E | N/E | < 95% |

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 346° - 406°F **Specific Gravity (H₂O=1):** 0.803
Vapor Pressure: 1.9mm/Hg @ 100° F **Melting Point:** N/A
Vapor Density: Heavier than air **Evaporation Rate (Water = 1):** > 1
Solubility in Water: Insoluble
Appearance and Odor: clear colorless liquid, sweet citrus odor

SECTION IV - FIRE AND EXPLOSION DATA

Flash Point (Method Used): 151° F
LEL: 1 **UEL:** 7
Extinguishing Media: Use media proper to the primary cause of fire
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: Cool containers exposed to extreme heat with large quantities of water.

SECTION V - PHYSICAL HAZARDS

Stability: Unstable **Conditions to Avoid:** N/A
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Incompatibility (Materials to Avoid): Strong acids and oxidizers
Hazardous Decomposition: CO, CO₂ and miscellaneous organic compounds
Products or Byproducts: None
Hazardous Polymerization: May Occur **Conditions to Avoid:** N/A
 Will Not Occur **Conditions to Avoid:** N/A

SECTION VI - HEALTH HAZARDS

Route(s) of Entry: **Inhalation?** X **Skin?** X **Ingestion?** X
Health Hazards (Acute and Chronic):
Corrosive Liquid: **Eyes:** Slightly irritating. Repeated exposure may cause tearing and irritation. **Skin:** Slightly irritating. Repeated exposure can cause defatting, drying of skin & dermatitis. **Inhalation:** High vapor concentrations may result in central nervous system depression. **Ingestion:** May irritate the stomach and intestines.

Carcinogenicity: NTP? N/A
IARC Monographs? N/A
OSHA Regulated? N/A
Signs and Symptoms of Exposure: See Health Hazards
Medical Conditions Generally Aggravated by Exposure: None Known
Emergency and First Aid Procedures:
Eyes: Flush with large amount of water for at least 15 minutes, holding eyelids open. Call a physician. **Skin:** Wash thoroughly with soap and water. **Ingestion:** Drink 2-3 large glasses of water. DO NOT induce vomiting. Call a physician. **Inhalation:** Move to fresh air and rest.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled:
Collect and reuse if possible, absorb with inert material (sand, sawdust, etc.), or flush to sewer with large quantity of water if permitted by all local, state, and federal regulations. Do not allow runoff into public waterways.
Waste Disposal Method:
Flush to sewer with large quantity of water or dispose of inert material in a chemical landfill as permitted by all local, state and federal regulations.
Precautions to be Taken in Handling and Storing:
Keep container tightly sealed when not in use.
Other Precautions: Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: None normally required with adequate room ventilation.
Ventilation: **Local Exhaust:** N/A **Special:** N/A
Mechanical (Gen.): Satisfactory **Other:** Given adequate ventilation
Protective Gloves: Rubber **Eye Protection:** Chemical splash goggles
Other Protective Clothing or Equipment: Full cover clothing - rubber apron if splashing likely. Launder clothing before reuse.
Work/Hygiene Practices: Wash thoroughly after handling.

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