

MATERIAL SAFETY DATA SHEET
Citri-Lize

SECTION 1 IDENTIFICATION

Product Name: Citri-Lize

Manufacturer:
DUMOND CHEMICALS, INC
104 Interchange Plaza, Ste. 202
Monroe Township, NJ 08831
(609) 655-7700

MSDS Date of Preparation: 02/17/11

EMERGENCY PHONE: (800)457-4280 (InfoTrac) #79363

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

Causes eye irritation. May cause skin irritation. Inhalation of dust may cause mucous membrane and respiratory irritation.

SECTION 3: PRODUCT COMPONENTS

INGREDIENTS

Citric Acid

CAS#.

77-92-9

WT.%

100

SECTION 4 EMERGENCY and FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes while lifting the upper and lower lids. Get immediate medical attention.

SKIN CONTACT: Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops or persists.

INHALATION: Remove to fresh air. Get medical attention if irritation or other symptoms persist.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to or induce vomiting in an unconscious or convulsing person. Rinse mouth with water and give 1 glass of water to drink. Get medical attention.

SECTION 5 FIRE and EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: This material is not classified as combustible but may burn under fire conditions. Use any media that is suitable for the surrounding fire.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: High concentrations of dust in air may present a fire or dust explosion hazard.

SECTION 6 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate protective clothing to avoid eye and skin contact. Sweep or scoop up, avoiding the creation of airborne dusts. Collect into closable containers for disposal. Prevent material from entering sewers and water courses. Report releases as required by local, state and federal authorities.

SECTION 7 HANDLING and STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Protect containers from physical damage. Store in a cool, well ventilated area away from incompatible materials.

Avoid eye and skin contact. Avoid breathing dust. Use with appropriate protective equipment. Remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking, or using toilet facilities.

OTHER PRECAUTIONS: Empty containers retain product residues. Follow all MSDS precautions in handling empty containers.

SECTION 8 EXPOSURE CONTROLS and PERSONAL PROTECTION

INGREDIENTS

Citric Acid(as PNOC)

EXPOSURE LIMITS

15 mg/m³ TWA OSHA PEL (Total)

5 mg/m³ TWA OSHA PEL (Respirable)

RESPIRATORY PROTECTION: Good general ventilation (equivalent to outdoors) should be adequate under normal conditions. In operations where exposure is excessive, a NIOSH approved respirator with dust/mist cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

VENTILATION: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required.

GLOVES: Rubber, butyl rubber or other impervious gloves are recommended if needed to avoid skin contact.

PROTECTIVE CLOTHING: Impervious apron, boots and other clothing are recommended if needed to prevent contact.

EYE PROTECTION: Chemical safety glasses or goggles should be worn.

OTHER PROTECTIVE EQUIPMENT: For operations where contact can occur an eye wash facility should be available.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Colorless, translucent crystals or powder.

BOILING POINT: Not applicable

SPECIFIC GRAVITY (H₂O=1): 1.665 g/cu cm at 20°C

VAPOR PRESSURE: Not determined

VAPOR DENSITY (AIR=1): Not determined

EVAPORATION RATE: Not applicable

FLASH POINT: None

FLAMMABLE LIMITS: (vol % in air) LEL: Not applicable

MELTING POINT: 153°C

VOLATILE: Not applicable

pH: 1.1

SOLUBILITY IN WATER: Soluble

COEFFICIENT OF WATER/OIL: Not available

AUTOIGNITION TEMPERATURE: Not established

UEL: Not applicable

SECTION 10 STABILITY and REACTIVITY

STABILITY: This material is stable.

CONDITIONS TO AVOID: Not applicable.

INCOMPATIBILITY: Metal nitrates, alkali carbonates and bicarbonates, potassium tartrate. Will corrode copper, zinc, aluminum and their alloys.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition emits toxic oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not applicable.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

INHALATION: Inhalation of dust may cause irritation of the nose throat and upper respiratory tract.

SKIN CONTACT: May cause irritation.

EYE CONTACT: May cause moderate to severe irritation with pain and tearing. Corneal damage is possible.

INGESTION: Ingestion may cause irritation of the mucous membranes, esophagus and stomach. May cause vomiting and diarrhea. Ingestion of large amounts will cause metabolic acidosis.

CHRONIC EFFECTS OF OVEREXPOSURE: Chronic ingestion may result in erosion of tooth enamel.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory, eye or skin diseases may be at increased risk from exposure to this material.

ACUTE TOXICITY VALUES:

Citric Acid: Oral rat LD50 6,730 mg/kg

CARCINOGENICITY: None of the components is listed as a carcinogen or suspected carcinogen by IARC, ACGIH, NTP or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Citric Acid: 48 LC50 European Shore Crab 160 mg/L

SECTION 13: DISPOSAL INFORMATION

WASTE DISPOSAL METHOD: Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT SHIPPING NAME: Not Regulated

DOT HAZARD CLASSIFICATION: None

DOT LABELS REQUIRED (49CFR172.101): None

UN NUMBER: None

SECTION 15: REGULATORY INFORMATION

OSHA HAZARD CLASSIFICATION:

EPA SARA 302: This product does not contain chemicals regulated under SARA Section 302.

EPA SARA 311 HAZARD CLASSIFICATION: Acute health

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

TOXIC SUBSTANCES CONTROL ACT: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product contains the following chemicals which are known to the State of California to cause cancer and reproductive toxicity: None

CANADIAN ENVIRONMENTAL PROTECTION ACT: All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

WHMIS CLASSIFICATION: Class D-2-B (Toxic material causing other chronic effects)

This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

SECTION 16: OTHER INFORMATION

NFPA Rating: Health: 2 Fire: 0 Reactivity: 0

Revision History: New MSDS