

MATERIAL SAFETY DATA SHEET

Complies with OSHA's Hazard Communication Standard (29 CFR 1910.1200)

EMERGENCY TELEPHONE NUMBER: 913-621-6542

REFERENCE: RDT-29B

PRODUCT NAME

CITRA-C Organic Acid Cleaner

DESCRIPTION

A blend of citric acid formulated with nonionic and cationic surfactants.

MANUFACTURER'S INFORMATION

DATE PREPARED:

January 30, 1997

SIGNATURE (Optional)

Central Solutions, Inc.

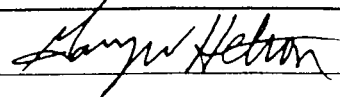
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REVIEWED BY:

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HMIS RATING

Concentrate

HEALTH

1

REACTIVITY

0

FLAMMABILITY

0

PERSONAL

B

HMIS RATING

Diluted 1:10

HEALTH

0

REACTIVITY

0

FLAMMABILITY

0

PERSONAL

HAZARD RATINGS: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme A = Safety Glasses B = Safety Glasses & Gloves

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity)

CAS #s

OSHA PEL

ACGIH TLV

Other Limits

% (Optional)

NO HAZARDOUS INGREDIENTS

NO Ingredients subject to reporting requirements of Section 313 of SARA Title III

N/A = Not Applicable

N/E = Not Established

N/D = Not Determined

N/L = Not Listed

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance and Odor: Clear light orange liquid with an orange fragrance.

Solubility in Water: Complete

Boiling Point: 212° F Specific Gravity: @25°C 1.072

Melting Point: N/A

pH (Concentrate): 2.1 ± 2

Vapor Pressure: N.E. Vapor Density: N.E.

Evaporation Rate: N.E.

pH (Diluted): 2.5 ± 2

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE (Water Based Liquid)

(METHOD USED): N/A

Flammable Limits: N/A

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

N/A

FIRE FIGHTING PROCEDURES:

None

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None

SECTION V - PHYSICAL HAZARDS / REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will Not Occur

INCOMPATIBILITY (Materials or Conditions to Avoid): Concentrate may be corrosive to some soft metals.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: None

SECTION VI - HEALTH HAZARDS (Acute & Chronic)

ROUTES OF ENTRY:

Eyes?

☒

Skin?

☒

Ingestion?

☒

Inhalation?

☒

CARCINOGENICITY:

NTP?

☐

IARC Monographs?

☐

OSHA Regulated?

☐

HEALTH HAZARDS: May cause eye irritation and skin irritation with prolonged exposure. Can be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE: If in eyes: Burning sensation, watering, or redness. If on skin: Redness, irritation, or burning sensation with prolonged exposure. If spray mist is inhaled: Possible irritation and/or burning sensation. If Swallowed: Possible gastrointestinal irritation or disturbance.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

EMERGENCY AND FIRST AID PROCEDURES: If in eyes: Flush with water for 15 minutes. If on skin: Wash liberally with soap and water. If on clothes: Wash before reuse. If swallowed: Dilute by drinking large quantities of water. Do not induce vomiting without medical advice. If spray mist is inhaled: Remove to fresh air.

Always get medical attention when product is swallowed or when symptoms are significant or persist.

SECTION VII - PRECAUTIONS FOR SAFE STORAGE & HANDLING

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills (less than 1 gallon) may be washed down a drain or cleaned up and disposed of into a sanitary sewer system. Large spills (more than 1 gallon) should be contained and collected (by absorption or vacuuming) then disposed of properly.

WASTE DISPOSAL METHOD: Dispose of product by using in accordance with label directions or in accordance with local, state, and federal regulations. This product is not considered a RCRA Hazardous Waste as identified in Federal Regulations 40 CFR 261.

STORAGE & HANDLING PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Do not contaminate water, food, or feed. Do not reuse empty containers. Keep containers clean and closed.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: General ventilation is normally adequate. VENTILATION: Local Exhaust: Is normally sufficient. Mechanical (General): Not normally needed.

GLOVES: Required for exposure to the concentrate when diluting or for long exposures to end-use dilutions. Persons sensitive to cleaning chemicals should always wear gloves.

PROTECTION: Use Safety Glasses when diluting concentrates or when splashing or spraying of diluted product into the eyes is likely.

PROTECTIVE CLOTHING OR EQUIPMENT: Not normally necessary for routine handling.

HYGIENE PRACTICES: Wash hands after using. Do not get into eyes, on skin, or clothing. May be harmful if swallowed. Protect food and drink from contamination by product.

NOTE: The information herein is presented in good faith, and believed to be accurate as of the effective date shown above. However, no warranty, expressed or implied is given. It is the responsibility of the user to comply with all Federal, State and Local laws and regulations.