

JUNE 25, 1991

SECTION 1 - IDENTITY

Common Name: Anhydrous Citric Acid, USP Trade Name: CitruClean
Chemical Name: 2-Hydroxy-1,2,3 Propanetricarboxylic Acid Formula: C₆H₈O₇
Chemical Family: Aliphatic Acid (77-92-9)

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Components: Citric Acid Hazard: Skin, Eye Irritation
TLV (Units): None established

SECTION 3 - PHYSICAL DATA

Boiling Point: N/A Specific Gravity: N/A Vapor Pressure: N/A
Percent Volatile: N/A Vapor Density: N/A Evaporation Rate: N/A
Flash Point: N/A Flammability Limits in Air: Lower: N/A Higher: N/A
Autoignition Temperature: N/A Extinguisher Media: N/A
Special Fire Fighting Procedures: None Explosion Hazards: None known
Description: Odorless, white crystalline material with strong acid taste.

SECTION 4 - PHYSICAL HAZARDS

Stability: Stable Hazardous Decomposition Products: None known
Hazardous Polymerization: Will Not Occur Conditions to Avoid: None known
Incompatibility: Aqueous reaction with caustic can create heat.
(Materials to Avoid)

SECTION 5 - HEALTH HAZARDS

OSHA Permissible: None established ACGIH T.L.V.: None established
Effects of overexposure: Slight irritation to skin and eyes. Avoid breathing dust, may cause symptoms of respiratory irritation.
Emergency and First Aid Procedures: Flush skin contact with water. Flush eye contact immediately with plenty of water. Get immediate medical care for eyes.

SECTION 6 - SPILL OR LEAK PROCEDURES

Precautions to be taken in handling and storage: Normal GMP handling/storage procedure. Prevent dusting.
Steps to be taken in case material is spilled: Clean powder by vacuum or sweeping and remove to disposal container. Wipe up liquid with paper towels and discard.
Waste Disposal Method: Neutralize with sodium bicarbonate. Wash down drain with excess water. All procedures to be done in accordance with applicable regulations.

SECTION 7 - ADDITIONAL INFORMATION

Citric Acid is generally recognized as safe under CFR 182.1033.