

BHS Marketing

Western Briquette

MATERIAL SAFETY DATA SHEET CITRIC ACID

Date: 12/19/02

I Company Identification

Company Name: BHS Marketing / Western Briquette
Mailing Address: P.O. Box 27955 SLC, UT 84127-0955
Physical Address: 2320 West Indiana Ave. SLC, UT 84104
Telephone: (801) 973-8232
Fax: (801) 973-8838
Emergency Number: Chemtrec (800) 424-9300

II Product Identification

Product Name: Citric Acid
Product Class: Organic Acid
Molecular Formula: $C_6H_8O_7$
Hazard Rating (HMIS):
Healthy: NR
Fire: NR
Reactivity: NR
Hazardous Ingredient: None
OSHA: None
ACGIH: None
Other Exposure Limits: None

Hazard Rating Scale:
0 = Minimal 1 = Slight
2 = Moderate 3 = Serious
4 = Severe NR = Not Rated

PEL: None TLV: None

III Typical Physical Properties

Physical Appearance: White crystalline powder
Odor: Odorless
Boiling Point: NR
Melting Point: 153 Degree
Specific Gravity: 1.542

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III TYPICAL PHYSICAL PROPERTIES (cont.)

Vapor Density: NR
Vapor Pressure: NR
% Volatile by weight: NR
Solubility in Water: Appreciable
PH: 0.15 % solution 1.8, bulk density 63 lb/cu ft.

IV Reactivity Data

Chemical Stability: Stable: Yes Unstability: No Record: 7
Conditions to Avoid: None
Materials to Avoid: None
Hazardous
Polymerization: May Occur: No Will not occur: Yes
Polymerization
Conditions To
Avoid: None

V Hazard Data

Chemicals listed as carcinogen or potential carcinogen:
OSHA: No I.A.R.C. Monographs: No
National Toxicology
Program: No
Dusts Symptoms: Low risk allergies prolonged contact may produce sensitization.

VI Recommended First Aid Measures

Eye Exposure: Wash thoroughly with water (under eyelids) for 15 minutes
Skin Exposure: Wash thoroughly with soap and water
Inhalation Exposure: Move to fresh air, administer oxygen if necessary
Ingestion Exposure: Give large quantities of water or milk, call a physician

VII Fire Fighting Measures

Flash Point: NR
Methods Used: NR
Flammable Limits: NR
Extinguishing Media: All media required to fight surrounding fire
Special
Fire Fighting Procedures: None

Unusual Fire
and Explosion Hazard: None
Autoignition Temperature: NR

VIII Accidental Release Measures

Steps to be taken in case material is released or spilled:

Vacuum or sweep into disposal drum

Water Disposal

Methods: (Consult federal and local regulations)

Bury, incinerate, or cover contaminated surface with soda ash or sodium bicarbonate.

Neutralize with NH_4OH or HCL .

IX Handling & Storage

Handling & Storage: Keep material in cool area, avoid moisture. Wash thoroughly after handling. Do not breathe chemicals.

X Exposure Controls/ Personal Protection

Respiration Protection: Nose approved dust mask

Local Exhaust: Yes, as needed

Mechanical: Good Dust, process control

Protective Gloves: Rubber if gross contact likely

Eye Protection: Safety glasses/side shield or goggles if gross contact likely

Work/Hygienic Practices: Usual good housekeeping procedures

XI Additional Information

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness.

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*n/a= Not Applicable