

Material Safety Data Sheet

May be used to comply with

OSHA'S Hazard Communication Standard,
29 CFR 1910, 1200. Standard must be
consulted for specific requirements

U.S. Department of labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

Material Safety Data Sheet

Manufacturer's Univar Products Corp.

Name: **BURR KING MFG., CO., INC.**

Emergency

Telephone No: **(800) 621-2748**

Address:

1220 TAMARA LANE, WARSAW, MO 65355

Other Information

Calls

Signature of Person

Date

Responsible for Preparation: (OPTIONAL)

Prepared: 01/12/2006

SECTION 1 – IDENTITY

Common Name (used on Label)

CITRUS ACID

CAS NO: 77929

(Trade Name & Synonyms)

ANHYDROUS

Chemical

Chemical

Name: 2 HYDROXY- 1,2,3 PROPANETRICARBOXYLIC ACID

Family: ORGANIC ACID

SECTION 2 – HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (Chemical & Common Name(s))

2-HYDROXY-1,2,3 PROPANETRICARBOXYLIC ACID

CAS # 77929 OSHA 5.000MG/M3 (RESPIRABLE DUST) 100%

ACGIH 5.000 MG/M3 (RESPIRABLE DUST)

The following ingredients are considered hazardous per OSHA 1910, 1200. MSDA for each is attached.

NOTE: If chemical is not specifically identified, it is considered proprietary

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)

Boiling Point: n/a

Specific Gravity: not established

Percent Volatile

Volume (%) n/a

Reactivity in Water:

Solubility in Water: 59.2g/100g at 68f (20c)

Solubility (non aqueous) methyl alcohol 197g/100g at 66.2 f (19c)

Appearance and Odor: FREE FLOWING WHITE CRYSTALLINE, ODORLESS, CRYSTALS

Flash: n/a

Flammable Limits n/a

Lower Upper Extinguish

Auto-Ignition n/a

Boiling Point: n/a

extinguishing media: **water, dry chemical; carbon dioxide**

Temperature:

Special Fire Fighting Procedures: firefighter should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Avoid dusting. Dust can form explosive mixtures with air.

Unusual Fire and Explosion Hazards: n/a

SECTION 4 – PHYSICAL HAZARDS

PRODUCT:

Stability: stable

Unstable

Conditions

Stable:

To Avoid:

Incompatibility (Materials to Avoid): Reaction with caustic can create heat (strong exotherm). Solutions are mildly corrosive to carbon steel.

Hazardous Decomposition Products: in case of fire co,co2 and other potentially toxic fumes.

Hazardous

May Occur:

Conditions

Polymerization: n/a

Will Not Occur:

To Avoid:

SECTION 5 – HEALTH HAZARDS (See Section 2)

Threshold

Limit Value:

Signs & Symptoms

1. Acute

Of Exposure

Overexposure

n/a

2. Chronic

Overexposure: n/a

Medical Conditions Generally

Aggravated by Exposure:

Chemical listed as

National

Yes

I.A.R.C.

Yes

OSHA

Yes

Carcinogen or Potential

Toxicology

Monographs

Carcinogen no

Program

OSHA Permissible

ACGIH Threshold

Other Exposure

Exposure Limit:

Limit Value:

Limit Used:

Emergency and First Aid Procedures:

1. Inhalation: remove from dusty area, if not breathing give artificial respiration, if breathing is difficult give oxygen. Call a physician2. Eyes: flush with water for at least 15 minutes, call a physician immediately3. Skin:wash hands thoroughly for at least 15 minutes, remove contaminated clothing and wash before reuse
Call a physician4. Injection: call a physician

SECTION 6 – SPECIAL PROTECTION INFORMATION

Respiratory Protection:

Ventilation

Local to keep

Mechanical

Special

Other

Exhaust dust to a minimum

(General)

Protective Gloves: rubber or vinyl gloves and long sleeved shirt and pants to minimize skin contact

Eye Protection: Chemical safety goggles

Other Protective Clothing or Equipment: where the exposure limit is or may be exceeded use niosh approved respiratory protection.

SECTION 7 – SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be Taken in Case

Material is Released or Spilled: **use dry cleanup procedures avoid dusting, reuse or recycle**

Waste Disposal Methods: cover with soda ash or sodium bicarbonate to neutralize. Mix and add water if necessary. Scoop up slurry and dispose in accordance with existing federal, state and local agencies.

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Information is supplied upon the condition that the persons receiving same will make their own determinations as to its suitability for the purposes prior to use, and since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of this material.

SECTION 8 – REGULATORY INFORMATION

COMPONENT	CAS NO.	%

The user must determine whether a report is required to EPA for any amounts of this material disposed of or otherwise released into the environment.

NOTICE: THIS NOTIFICATION MUST REMAIN ATTACHED TO ITS ACCOMPANYING **MSDS**. IF THE **MSDS** IS COPIED OR REDISTRIBUTED, A COPY OF THIS NOTIFICATION MUST ALSO BE ATTACHED.