

IDENTITY (As Used on Label and List)

BRADY CITRIC ACID POWDER

SECTION I

Manufacturer's Name

BRADY INDUSTRIES, INC.

Emergency Telephone Number

(800) 424-9300

Address (Number, Street, City, State & ZIP Code)

4175 SOUTH ARVILLE

Telephone Number for Information

(702) 876-3990

Date Prepared

LAS VEGAS, NEVADA 89103

Signature of Preparer (optional)

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Recommended	% (optional)
			Other Limits	2-
HYDROXY-1,2,3 PROPANETRICARBOXYLIC ACID				
CAS #77-92-3	5.000 mg/m3	5.000 mg/m3		

HAZARD RATING:

4-EXTREME

3-HIGH

2-MODERATE

1-SLIGHT

0-INSIGNIFICANT

HEALTH

FIRE

REACTIVITY

SPECIFIC HAZARDS

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H2O = 1)	UNKNOWN
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density		Evaporation Rate (Butyl Acetate = 1)	
Solubility in Water	59.2 g/100g at 68°F (20°C)	pH	UNKNOWN
Appearance and Odor	FREE FLOWING CRYSTALLINE		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NOT ESTABLISHED			
Extinguishing Media	WATER, DRY CHEMICAL, CARBON DIOXIDE		
Special Fire Fighting Procedures	FIREFIGHTERS SHOULD BE EQUIPPED WITH SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES. AVOID DUSTING. DUST CAN FORM EXPOSIVE MIXTURE WITH AIR.		
Unusual Fire and Explosion Hazards			

SECTION V - REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	XXX

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous	May Occur	Conditions to Avoid
Polymerization	Will Not Occur	XXX

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	YES	YES	YES

Health Hazards (Acute and Chronic)IRRITATING TO THE EYES, ESPECIALLY WITH PRE-EXISTING EYE OR SKIN DISORDERS.**Emergency and First Aid Procedures**

EYES: WASH WITH RUNNING WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET IMMEDIATE MEDICAL ATTENTION.

SKIN: WASH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE RE-USE. CONTACT A PHYSICIAN.

INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. OBTAIN IMMEDIATE GET MEDICAL ATTENTION.

INGESTION: CALL A PHYSICIAN IMMEDIATELY.

NOTE: DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or SpilledCLEAN BY VACUUM OR BROOM SWEEPING AND REMOVE TO DISPOSAL CONTAINER.

Waste Disposal MethodCOVER 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 ENVIRONMENTAL CONTROL REGULATIONS.

Precautions to Be Taken in Handling and StoringAVOID BREATHING DUST. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. STORE IN A DRY PLACE AWAY FROM EXCESSIVE HEAT IN ORIGINAL OR SIMILAR WATERPROOF CONTAINERS. RESEAL CONTAINERS IMMEDIATELY AFTER USE.

Other PrecautionsEMERGENCY SHOWERS AND EYE WASH STATIONS SHOULD BE MADE AVAILABLE. EDUCATE AND TRAIN EMPLOYEES IN THE SAFE USE AND HANDLING OF THIS PRODUCT.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)A NIOSH/MSHA APPROVED DUST RESPIRATOR SHOULD BE WORN IF THE RECOMMENDED EXPOSURE LIMIT IS EXCEEDED.

Ventilation	Local Exhaust	Special
	Yes	

Mechanical (General)	Other
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Protective GlovesRUBBER OR VINYL GLOVES

Eye ProtectionCHEMICAL SAFETY GOGGLES

Other Protective Clothing or EquipmentLONG SLEEVED SHIRTS AND PANTS TO MINIMIZE SKIN CONTACT RECOMMENDED.

Work/Hygienic PracticesEMPLOYEES SHOULD WASH THEIR HANDS & FACE BEFORE EATING, DRINKING OR SMOKING.