



# MATERIAL SAFETY DATA SHEET

## PRODUCT IDENTIFICATION

COMMERCIAL CLEANER

MSDS DATE : 5/23/2001

Supersedos : 8/9/1991

Hazard Rating		Scale
Toxicity	2	4=EXTREME
Fire	0	3=HIGH
Reactivity	1	2=MODERATE
Special	3	1=SLIGHT 0=INSIGNIFICANT

## COMPONENT INFORMATION

**No.**

- 1 Citric Acid
- 2 Oxalic Acid
- 3 Proprietary Ingredient

**CAS REG NO. AMT.(%)**

77-92-9  
 6153-56-6 <5%

## EMERGENCY RESPONSE INFORMATION

### FIRST AID PROCEDURES

**INHALATION**

Move subject to fresh air, if irritation occurs, seek medical attention. Gargle repeatedly with cold water.

**EYE CONTACT**

Flush with large amounts of water for 15 minutes. Seek immediate medical attention.

**SKIN CONTACT**

Wash with detergent and water. If irritation occurs, seek medical attention.

**INGESTION**

Dilute by drinking large amounts of milk or water. Consult a physician Immediately. Do not induce vomiting.

### FIRE FIGHTING INFORMATION

**UNUSUAL HAZARDS**

None known.

**EXTINGUISHING AGENTS**

Appropriate for surrounding fire.

**PERSONAL PROTECTIVE EQUIPMENT**

As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

**SPECIAL PROCEDURES**

Standard firefighting procedures.

### SPILL OR LEAK HANDLING INFORMATION

**PERSONAL PROTECTION**

Apron and rubber gloves are recommended. Also eyes and face protection are recommended. For respiratory use TLV of 1mg/M<sup>3</sup> - a high efficiency particulate respirator at concentrations up to 10 ppm - self contained above 10 ppm.

**PROCEDURES**

Contain spill. Sweep or vacuum into a dry metal container and cover with sand or soda wash.

**CONTINUED**



**Mortex Manufacturing Co., Inc.**  
 1818 West Price Street  
 Tucson AZ 85705

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## **HAZARD INFORMATION**

### **HEALTH EFFECTS FROM OVEREXPOSURE**

#### **PRIMARY ROUTES OF EXPOSURE**

Inhalation. Skin Contact. Eye Contact. Ingestion.

#### **INHALATION**

Coughing, difficulty breathing, severelung irritation

#### **EYE CONTACT**

Severe burning

#### **SKIN CONTACT**

Severe burns.

#### **INGESTION**

Abdominal pains, nausea, vomiting.

### **FIRE AND EXPLOSIVE PROPERTIES**

Flash Point . . . . .	Not Applicable
Lower explosive limit . . . . .	Not Applicable
Upper explosive limit . . . . .	Not Applicable

## **ACCIDENT PREVENTION INFORMATION**

### **PERSONAL PROTECION MEASURES**

#### **RESPIRATORY PROTECTION**

TLV of 1mg/M<sup>3</sup> - a high efficiency particulate respirator at concentrations up to 10 ppm - self contained above 10 ppm.

#### **EYE PROTECION**

Use chemical splash goggles (ANSIZ87.1) or approved equivalent.

#### **HAND PROTECTION**

Rubber gloves.

### **FACILITY CONTROL MEASURES**

#### **VENTILATION**

Use local exhaust ventilation. Refer to the current edition of *Industrial Ventilation: A Manual of Recommended Practice* published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

### **STORAGE AND HANDLING INFORMATION**

#### **STORAGE CONDITIONS**

Store dry at ambient temperature using good warehouse and production handling procedures.

**CONTINUED**



## **SUPPLEMENTAL INFORMATION**

### **TYPICAL PHYSICAL PROPERTIES**

Appearance .....	White powder
Color .....	N/A
State .....	Powdered
Odor Characteristic .....	Slight
pH .....	Solute 2.2
Viscosity .....	N/A
Vapor Density (Air = 1) .....	N/A
Vapor Pressure .....	N/A
Melting point .....	No Data
Boiling point .....	N/A
Solubility in water .....	10%
Percent Volatility .....	N/A
Evaporation rate (BAc = 1) .....	N/A

### **WASTE DISPOSAL**

#### **PROCEDURE**

Place in proper container for disposal at a landfill that complies with local, State and Federal regulations.

## **REGULATORY INFORMATION**

### **WORKPLACE CLASSIFICATIONS**

Classification: ORM-A.

### **TRANSPORTATION CLASSIFICATIONS**

D.O.T. Not regulated.

### **EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE3)**

#### **SECTION 311/312 CATEGORIZATIONS 40CFR370**

This product does not contain any chemical subject to reporting requirements.

#### **SECTION 313 INFORMATION (40CFR 302.4)**

This product does not contain a chemical which is listed in Section 313 above *de minimis* concentrations.

### **CERCLA INFORMATION (40CRF 302.4)**

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304.

### **RCRA INFORMATION**

When this product becomes a waste, it is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40 CFR 261).

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