

HAZARD RATING  
4-EXTREME  
3-HIGH  
2-MODERATE  
1-SLIGHT

Fire 0  
3 0  
COR Special  
Health Reactivity

# MATERIAL SAFETY DATA SHEET

(Prepared according to 29 CFR 1910. 1200)

Date Prepared: 9-30-03

## SECTION 1 - PRODUCT IDENTIFICATION

Company Name Daley International Emergency Telephone No. 800-535-5053  
Address 4100 W. 76th Street, Chicago, IL 60652 Information Telephone No. 773-284-6565  
Product Name / ID# Oxalic Acid (300653) Product Type Rust Remover ☒ Proprietary Product

## SECTION 2 - HAZARDOUS INGREDIENTS

| Chemical Name/Common Name | Cas No.  | Percent (optional) | TLV (Source)     |
|---------------------------|----------|--------------------|------------------|
| Oxalic Acid               | 144-62-7 | > 90%              | 0.27 ppm (ACGIH) |
|                           |          |                    |                  |
|                           |          |                    |                  |
|                           |          |                    |                  |
|                           |          |                    |                  |

☐ \* Substances ☒ Contains no substances - subject to the reporting requirements of SARA 313 and 40 CFR Part 372.

## SECTION 3 - PHYSICAL DATA

Boiling Point (°F) Approx. 212°F Specific Gravity (H<sub>2</sub>O=1.0) 1.653 ± 0.005 pH 1.3 ± 0.5 % VOC (ww) 0%  
Solubility In Water ☐ Complete ☐ Insoluble ☒ Emulsifiable or (Dispersible) ☐ Slight (or Partial)  
Evaporation Rate (vs H<sub>2</sub>O) NA ☐ Faster ☐ Slower ☐ About the Same Vapor Pressure NA Vapor Density NA  
Appearance and Odor White powder. Nil odor.

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.) ☒ None to boiling Flammable Limits Upper NA Lower NA  
Extinguishing Media NA  
Special Fire Fighting Procedures None  
Unusual Fire Explosion Hazards None

## SECTION 5 - REACTIVE DATA

Stability Stable Incompatibility Alkalie oxidizing agents.  
Hazardous Decomposition Products Oxides of carbon. Possibly formic acid and other miscellaneous toxic gases.

## SECTION 6 - HEALTH HAZARDS

Threshold Limit Value Product See Section 2 for Ingredients TLV ☒ None Established ☐ Not Applicable Primary routes of Exposure ☒ Eyes ☒ Skin ☒ Oral ☒ Inhalation  
Signs Symptoms of Over-exposure (Acute) Eye contact may cause severe irritation- possible burns. May cause irritation or possible burns on more prolonged contact with skin.  
Inhalation of product may cause irritation, possibly severe, to the upper respiratory tract and can also irritate the lungs. Repeated inhalation could eventually lead to renal damage.  
Ingestion can cause irritation and possibly burns to the mouth, throat, and stomach. Oxalic acid is a systemic poison affecting the central nervous system and kidney function.  
Signs Symptoms of Over-exposure (Chronic) Unknown  
Medical Conditions Aggravated by Over-exposure Unknown  
Carcinogen/Suspected Carcinogen Ingredients: ☐ NTP ☐ IARC ☐ OSHA ☒ None

## SECTION 7 - FIRST AID PROCEDURES - (If any Condition persists - Consult a physician.)

Eyes Flush with water for at least 15 minutes. Consult a physician.  
Skin Flush with water for at least 15 minutes. Remove any contaminated clothing and wash before reuse.  
Ingestion Do Not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. Call a physician immediately  
Inhalation Remove to fresh air. If qualified, give oxygen or artificial respiration as needed and/or seek medical attention.

## SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection None usually required during normal usage. If misting of product is anticipated use NIOSH approved respirator.  
Ventilation requirements ☒ Local Exhaust ☒ Mechanical As needed to keep below any listed TLV and/or for general good ventilation.  
Protective Gloves Rubber Eye Protection Safety goggles  
Other Protective Clothing Chemical apron plus any other chemically resistant clothing to prevent personal contact with product.

## SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled Sweep up. Place in appropriate containers for disposal.

Waste Disposal Methods Check all government regulations. If allowed, incineration would be preferred method.

## SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in handling and Storage Store so as to be inaccessible to children. Wash thoroughly after handling.