

# MATERIAL SAFETY DATA SHEET

Magnesium Perchlorate

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Magnesium Perchlorate  
Product Code: M0371  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 6/11/2013  
Print Date: 6/11/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

|                   |        |                    |      |         |
|-------------------|--------|--------------------|------|---------|
| Health:           | 3      |                    |      |         |
| Flammability:     | 0      |                    |      |         |
| Reactivity:       | 3      |                    |      |         |
| Hazard Rating:    |        |                    |      |         |
| Least             | Slight | Moderate           | High | Extreme |
| 0                 | 1      | 2                  | 3    | 4       |
| NA=Not Applicable |        | NE=Not Established |      |         |

## SECTION 2 HAZARD IDENTIFICATION

Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.

## SECTION 3 MIXTURE COMPONENTS

| SARA 313                 | Component             | CAS Number      | Percent Comp. | Dimension | Exposure Limits                                  |
|--------------------------|-----------------------|-----------------|---------------|-----------|--|
| <input type="checkbox"/> | Magnesium Perchlorate | CAS# 10034-81-8 | 100%          | W/W       | TXDS: inl-mouse<br>LD <sub>50</sub> : 1500 mg/Kg |

## SECTION 4 FIRST AID MEASURES

Heat, shock, friction, or contact with other materials may cause fire or explosion. Harmful if swallowed. Avoid breathing vapor or dust. Use adequate ventilation. Avoid contact with eyes, skin or clothes. Wash thoroughly after handling. Keep closed.

FIRST AID: CALL A PHYSICIAN. SKIN: Wash exposed area with soap and water.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water  
Fire / Explosion Hazards: May cause fire or explosion when heated with combustibles or organic matter.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

# Magnesium Perchlorate

Wash up spill immediately with water. Dispose to sanitary drain

## SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Rubber gloves  
Eye Protection: Goggles and Face Shield  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

|                      |                                     |                             |                |
|----------------------|-------------------------------------|-----------------------------|----------------|
| Melting Point:       | 250 °C                              | Percent Volatile by Volume: | 0              |
| Boiling Point:       | Information not available           | Evaporation Rate            | 0              |
| Vapor Pressure:      | Information not available           | Evaporation Standard        |                |
| Vapor Density:       | 2.21                                | Auto Ignition Temp          | Not applicable |
| Solubility in Water: | Very soluble when heated            | Lower Flamm. Limit in Air   | Not applicable |
| Appearance /Odors:   | White granules or powder , odorless | Upper Flamm. Limit in Air   | Not applicable |
| Flash Point:         | N/A                                 |                             |                |
| Specific Gravity:    | Information not available           |                             |                |

## SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable  
Conditions to Avoid: Incompatibilities  
Materials to Avoid: Strong acids, Do not heat with organic matter  
Hazardous Decomposition Products: Not known to occur  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

## SECTION 11 Toxicological Information

## SECTION 12 Ecological Information

Magnesium Perchlorate

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: Magnesium Perchlorate, 5.1, UN1475, PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

**SECTION 16 Additional Information**

Potentially strong oxidant! Effects of overexposure. Acute and chronic: Irritating to eyes, skin and nasal passages. Overexposure may lead to dermatitis, externally or diarrhea internally. Toxicity is low and indetermined. Target organs: skin and eyes. Persons with pre-existing skin, eye disorders may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

0.1

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