Material Safety Data Sheet
Magnesium sulfate, anhydrous, 97%

Section 1 - Chemical Product and Company Identification
MSDS Name: Magnesium sulfate, anhydrous, 97%
Catalog Numbers: 41348-0000, 41348-0025, 41348-0050, 41348-5000
Synonyms:

Company Identification: Acros Organics BVBA
Janssen Pharmaceuticalalaan 3a
2440 Geel, Belgium

Company Identification: (USA)
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 800-ACROS-01
For information in Europe, call: +32 14 57 52 11
Emergency Number, Europe: +32 14 57 52 99
Emergency Number US: 201-796-7100
CHEMTREC Phone Number, US: 800-424-9300
CHEMTREC Phone Number, Europe: 703-527-3887

Section 2 - Composition, Information on Ingredients
CAS# Chemical Name: % EINECS#
7487-88-9 Magnesium sulfate, anhydrous 97% 231-298-2

Hazard Symbols: None listed
Risk Phrases: None listed

Section 3 - Hazards Identification
EMERGENCY OVERVIEW
Not available

Potential Health Effects
Eye: Non-irritating to the eyes.
Skin: Non-irritating to the skin. May be harmful if absorbed through the skin. No sensitizing effects known.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation. May be harmful if inhaled.
Chronic: Laboratory experiments have resulted in mutagenic effects.
Section 4 - First Aid Measures

**Eyes:**
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:**
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:**
Get medical aid. Wash mouth out with water.

**Inhalation:**
Remove from exposure and move to fresh air immediately.

**Notes to Physician:**
Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

**General Information:**
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

**Extinguishing Media:**
Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

**General Information:**
Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**
Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

Section 7 - Handling and Storage

**Handling:**
Use with adequate ventilation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use with adequate ventilation.

**Storage:**
Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**
Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**
CAS# 7487-88-9:
Personal Protective Equipment
Eyes: Wear chemical splash goggles.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Powder
  Color: white to gray white
  Odor: odorless
  pH: 7.9 (5% aq. sol.)
  Vapor Pressure: Not available
  Viscosity: Not available
  Boiling Point: Not available
  Freezing/Melting Point: 1124 deg C (2,055.20°F)
  Autoignition Temperature: Not available
  Flash Point: Not available
  Explosion Limits: Lower: Not available
  Explosion Limits: Upper: Not available
  Decomposition Temperature: Not available
  Solubility in water: Not available
  Specific Gravity/Density:
  Molecular Formula: MgO4S
  Molecular Weight: 120.37

Section 10 - Stability and Reactivity

Chemical Stability: Hygroscopic: absorbs moisture or water from the air.
Conditions to Avoid: Incompatible materials, exposure to moist air or water.
Incompatibilities with Other Materials: Strong oxidizing agents, explosive when heated with ethoxynethynl alcohols.
Hazardous Decomposition Products: Sulfur oxides (SOx), including sulfur oxide and sulfur dioxide, oxides of magnesium.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 7487-88-9: OM4500000
LD50/LC50: RTECS: Not available. Other: oral mouse LDlo = 5000 mg/kg oral human TDlo = 428 mg/kg skin: not irritating eye: not irritating not sensitizing Magnesium sulfate, anhydrous - Not listed as a carcinogen by ACGIH, Carcinogenicity: IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information
Fish: Leuciscus idus: 14000 mg/L; 48H; LC50
Daphnia: Daphnia: 1700 mg/L; 24H; EC50

Ecotoxicity: Non-biodegradable.

Other:

Section 13 - Disposal Considerations
Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information
IATA | IMO | RID/ADR
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Section 15 - Regulatory Information
European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: Not available
Risk Phrases:
Safety Phrases:
S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)
CAS# 7487-88-9: 0
Canada
CAS# 7487-88-9 is listed on Canada's DSL List
</TD>
US Federal
TSCA
CAS# 7487-88-9 is listed on the TSCA Inventory.
Section 16 - Other Information

MSDS Creation Date: 7/16/1996
Revision #2 Date 10/22/2004
Revisions were made in Sections: General revision.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantibility or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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