



MATERIAL SAFETY DATA SHEET

PRODUCT: Pro Mag Regular 36

CODE: 5141031

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: Not Applicable

Chemical Description: Magnesium Oxide, Magnesium Sulphate Mixture

Product Use: Turf Fertilizer

TDG Classification: Not Regulated

SECTION 2 – HAZARDOUS INGREDIENTS

INGREDIENTS	WEIGHT %	CAS REG #	LD 50 (mg/Kg)	T.W.A. – T.L.V.
Magnesium Oxide	60-100	01309.48.4	5000 mg/kg (mice/oral)	-
Magnesium Sulfate	15-40	07487-88-9	-	400 mg/m ³ (human/inhalation)

SECTION 3 - PHYSICAL DATA

Physical State: Solid

Specific Gravity: ~ 2.0

Boiling Point: Not Available

% Volatiles: Not Available

Solubility in Water: Moderate

Appearance\Odour: Dry grey granular , no odour

pH: Not Determined

Freezing/Melting Point: Not Available

Vapour Density: Not Available

Evaporation Rate: Not Available

SECTION 4 - FIRE AND EXPLOSION

Flash Point: Not Applicable

Lower Explosion Limit %: Not Available

Fire Extinguishing Media: Use media appropriate to primary source of fire. Otherwise, use dry chemical, CO₂, water spray or foam

Fire Fighting Procedures: Wear self-contained Breathing Apparatus and impervious clothing. Minimize the amount of water used and contain the run-off. The products may decompose on heating.

Other Fire or Explosion Hazards: None known

Autoignition Temperature: Not Available

Upper Explosion Limit %: Not Available

SECTION 5 - REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Refer to Incompatibility and Decomposition Sections.

Incompatibility (Materials to Avoid): Strong acid, aluminium powder, bromine pentafluoride, chlorine trifluoride, interhalogens, magnesium powder, oxidizers, phosphorus pentachloride.

Hazardous Decomposition Products: Sulphur oxides may decompose from magnesium sulphate. If magnesium oxide is heated to point of volatilisation (ie >1700 C), magnesium oxide fumes may be generated.

Hazardous Polymerization: Will Not Occur

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: Dust may irritate eyes, skin nasal passages and respiratory tract. Inhalation of freshly generated magnesium oxide fume may result in metal fume fever. Ingestion generally causes purging of the bowels, however, swallowing large amounts may lead to bowel obstruction.

Effects of Chronic Exposure: Prolonged/frequent skin contact may lead to dermatitis.

SECTION 7 - FIRST AID PROCEDURES

Inhalation: Move away from dusty environments and to fresh air. Treat metal fumes fever with bed rest and treat for fever and pain. OBTAIN MEDICAL ADVICE if symptoms persist.

Skin Contact: Flush skin and hair thoroughly with soap and water. If irritation occurs seek medical attention.

Ingestion: Treat symptomatically. Do not induce vomiting. If bowel obstruction occurs consult physician. OBTAIN MEDICAL ADVICE if symptoms persist.

Eye Contact: Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek Medical Attention.

SECTION 8 - PREVENTIVE MEASURES

Respiratory Protection:

Up to 100 mg/m³: Any dust, mist or fume respirator; and air supplied respirator; or self-contained breathing apparatus.

Up to 250 mg/m³: Any supplied air respiratory operated in a continuous flow. Mode or any powered air-purifying respirator with a dust/mist/fume filter

Up to 500 mg/m³: High efficiency particulate filter with full face piece any powered air supplied respirator with a tight fitting face piece and a high efficiency particulate filter; any self contained breathing apparatus with a full face piece : any supplied air respirator with a full face piece.

up to 7500 mg/m³: Any air supplied respirator with full face piece and operated in a pressure demand or other positive pressure mode.

Emergency or entry into unknown concentrations: Self contained breathing Apparatus with full-face piece and operated in pressure demand mode or air Supplied respirator with full face piece operated in a pressure demand or

Other positive pressure mode in combination with auxiliary self contained. Breathing apparatus operated in pressure demand or positive pressure mode

Escape: Any air purifying full-face piece respirator with high efficiency Particulate filter or any appropriate escape type self-contained apparatus.

Eye Protection: Chemical goggles or glasses

Skin Protection: Chemical resistant gloves to avoid the drying of the skin.

Other Personal Protective Equipment: Steel reinforced shoes when handling pallets of product, long sleeve, buttoned collar, long pants extending over shoes or coveralls.

Engineering Controls: Local and general mechanical dust collection and ventilation in accordance with good engineering practices should be provided to maintain dust levels below specified exposure levels.

Storage Requirements: Store in cool, dry area away from children.

Storage Temperature: Min: None Max: 40 °C

SECTION 9 - ENVIRONMENTAL PROTECTION DATA

Spill and Leak Procedures: ventilate enclosed spaces and use appropriate respiratory protection. Sweep or vacuum spilled material in a manner to avoid generation of dust. Reclaim production for re-use, if possible, or collect and seal in DOT approved container for disposal.

Waste Disposal: Dispose in accordance with Local, Provincial or Federal government regulations.

Environmental Effects: Do not contaminate local water supplies or environments.

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Prepared by: Technical Department

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