

Safety Data Sheet (SDS)

MAGNESIUM OXIDE

1. Identification of the Substance	PRODUCT NAME: Magnesium Oxide DISTRIBUTOR: EcoFusion Inc., PO Box 251408. Plano, TX 75025 – 1408 (USA) TEL: +1 972 403 7449 FAX: +1 214 291 5348 EMERGENCY: CHEMTREC 800 424 9300
2. Hazards Identification	EMERGENCY OVERVIEW: May cause eye irritation. May cause respiratory tract irritation. Inhalation of fumes may cause metal-fume fever. Hygroscopic (absorbs moisture from the air). EYES: May cause eye irritation. A slight irritation of the eyes and nose was observed, when exposed to the dust. SKIN: Dust may cause mechanical irritation. Not absorbed through the skin. Not irritating to the skin, but use of rigorous washing procedures to remove dust may cause skin irritation. INHALATION: Inhalation of fumes may cause metal fume fever and irritation of the nose and throat. INGESTION No hazard expected in normal industrial use. Practically non-toxic by ingestion.
3. Composition / Information on Ingredients	CHEMICAL FORMULA: MgO EINECS #: 215-171-9 CAS NO.: 1309-48-4 INGREDIENTS: Magnesium % (BY WEIGHT): > 95%
4. First Aid Measures	SKIN: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse. EYES: Gently lift eyelids and flush continuously with water. If irritation develops, get medical aid. INGESTION: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid. INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
5. Fire Fighting Measures	EXTINGUISHING MEDIA: Use extinguishing media most appropriate for the surrounding fire. HAZARDS: Substance is noncombustible. Magnesium oxide, as a fume, is produced when magnesium is burned in high-temperature processes or exposed to fire conditions. PROTECTION: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
6. Accidental Release Measures	SPILL: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation.
7. Handling and Storage	HANDLING: Wash thoroughly after handling. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Avoid breathing dust and fume. STORAGE: Store in a cool, dry place. Keep away from strong acids. Store protected from moisture.

8. Exposure Controls / Personal protection	ENGINEERING CONTROLS: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. EXPOSURE LIMITS: ACGIH - 10 mg/m3 TWA (inhalable fraction) NIOSH - 750 mg/m3 IDLH (fume) OSHA - Final PELs - 15 mg/m3 TWA (total particulate) PERSONAL PROTECTIVE EQUIPMENT EYE: Wear appropriate protective eyeglasses or chemical safety goggles. CLOTHING & SKIN: Glove protection is not normally required. Wear protective clothing to minimize contact with skin. RESPIRATORS: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
9. Physical and Chemical properties	PHYSICAL STATE: White or Light Brown Powder or Granule ODOUR: Odorless MELTING POINT: 2800 Deg C BOILING POINT: 3600 Deg C SOLUBILITY IN WATER: Very slightly .0086g/100ml MOLECULAR WEIGHT: 40.30 DENSITY: 3.58
10. Stability and Reactivity	STABILITY: Stable at room temperature in closed containers under normal storage and handling conditions. Absorbs carbon dioxide from the air. Hygroscopic: absorbs moisture or water from the air. CONDITIONS TO AVOID: Dust generation, moist air, prolonged exposure to air. MATERIALS TO AVOID: Strong acids. HAZARDOUS POLYMERIZATION: Will not occur HAZARDOUS DECOMPOSITION PRODUCTS: None
11. Toxicological Information	NA
12. Ecological Information	No Data Available
13. Disposal Considerations	METHODS OF DISPOSAL: Dispose of according to all applicable governments' regulation.
14. Transport Information	Not Regulated
15. Regulatory Information	Not Controlled
16. Other Information	N/A

THE INFORMATION IN THIS MSDS RELATES TO THIS SPECIFIC MATERIAL. IT MAY NOT BE VALID FOR THIS MATERIAL IF USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. IT IS THE USERS' RESPONSIBILITY TO SATISFY THEMSELVES AS TO THE SUITABILITY AND COMPLETENESS OF THIS INFORMATION FOR THEIR OWN PARTICULAR USE.

All non-emergency questions should be Directed to Customer Service at

24 hour emergency Telephone: Chemtrec 800-424-9300
National response in Canada: Canutec 613-996-6666
Outside US & Canada: Chemtrec: 202-483-7616

Note: Chemtrec and Canutec emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, exposure or accident involving chemicals.