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Safety Data Sheet (MSDS)

MAGNESIUM SULFATE HEPTAHYDRATE

1. Identification of the Substance	**PRODUCT NAME:** Magnesium Sulfate Heptahydrate **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	Not classified / regulated as dangerous goods. Not classified as fire and explosion hazards.
3. Composition / Information on Ingredients	**CHEMICAL FORMULA:** MgSo4.7H2O **MOLECULAR MASS:** 246.47 g/mol **CAS NO.:** 10034-99-8 **CONTENT:** MgSo4: 48-49% **R-PHRASES:** N/A
4. First Aid Measures	**PHYSICAL / CHEMICAL HAZARDS:** Low. Acts as a laxative. Ingestion of sufficient quantities may lead to heart changes, flaccid paralysis and cyanosis. Mild eye irritation may result. **ENVIRONMENTAL HAZARD**: Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants. **SKIN:** Wash off immediately with soap and plenty of water. **EYES:** Rinse thoroughly with plenty of water, also under the eyelids. **INGESTION:** Rinse mouth with plenty of water. Drink plenty of water. Consult a physician if necessary. **INHALATION:** Not Applicable.
5. Fire Fighting Measures	**EXTINGUISHING MEDIA:** Water, dry powder, foam, carbon dioxide (CO2). **HAZARDS**: Flammability: Non Flammable Heating to dryness will produce obnoxious and toxic fumes **PROTECTION**: Wear self-contained breathing apparatus and protective suit
6. Accidental Release Measures	**PERSONAL PRECAUTIONS:** Rubber or plastic gloves. **ENVIRONMENTAL PRECAUTIONS:** No special environmental precautions required. **METHODS FOR CLEANING UP**: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Rinse affected area with plenty of water.
7. Handling and Storage	No special storage conditions required.
8. Exposure Controls / Personal protection	E**NGINEERING CONTROLS:** Use adequate exhaust ventilation to keep airborne concentrations below the allowable exposure limits **EXPOSURE LIMITS:** No Data **PERSONAL PROTECTIVE EQUIPMENT:** **EYE**: Use chemical safety goggles or safety glasses. **SKIN & CLOTHING**: Lightweight protective clothing **RESPIRATORY PROTECTION**: Not absolutely necessary
9. Physical and Chemical properties	**PHYSICAL STATE:** White Powder **ODOUR:** Odorless **MOLAR WEIGHT:** 246.47

	SOLUBILITY: Easily soluble in water **BULK DENSITY:** 1.08
10. Stability and Reactivity	**STABILITY:** Stable under ordinary conditions of use and storage **CONDITIONS TO AVOID:** Oxides of Sulphur (if heated to dryness)
11. Toxicological Information	**ORAL**: Human, Oral TDLo : 428 mg/kg. Leads to muscle weakness. Acts as a laxative. Oral, Mouse LDLo : 5g/kg. **MUTAGENICITY**: Mutation data reported for the anhydrous salt. No information available for the solution
12. Ecological Information	Not Biodegradable. Eco toxicity believed to be low.
13. Disposal Considerations	**METHODS OF DISPOSAL:** Dispose of according to all applicable governments' regulation.
14. Transport Information	Not classified as dangerous in the meaning of transport regulations.
15. Regulatory Information	Not Applicable
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.