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MATERIAL SAFETY DATA SHEET
MAGNESIUM SULFATE
HEPTAHYDRATE
October 5, 2004

SECTION I.

Physical Address: P.O. Box 376, (102 Commerce Street)
Waynesville, NC 28786

Chemical Name: Magnesium Sulfate Heptahydrate

Formula: MgSO₄·7H₂O

CAS No: 7407-68-0 TSCA Considers Hydrates as
Mixtures of Anhydrous Salt and Water

SECTION II.

Hazardous Ingredients	Material or Component Hazard Data:	HCPL
		NONE

SECTION III.

Physical Data	
Boiling Point (760 mm Hg):	DOES NOT BOIL
Specific Gravity (A.C.I.):	1.98
Vapor Density (A.C.I.):	N/A
% Volatile by Volume:	N/A
Appearance & Odor:	SMALL COLORLESS CRYSTALS, COLORLESS
Melting Point:	10700 - LOSTS WATER
Vapor Pressure:	N/A
Solubility in H ₂ O by Weight:	APPRECIABLE
Evaporation Rate (Butyl Acetate):	N/A

SECTION IV.

Fire & Explosion Data	
Flash Point (Test Method):	NON-FLAMMABLE MATERIAL
Autoignition Temperature:	N/A
Flammable Limits in Air, % by Volume:	N/A
Extinguishing Media:	N/A
Special Fire Fighting Procedures:	PROVIDE BREATHING EQUIPMENT
Unusual Fire & Explosion Hazards:	EXTREMELY HIGH TEMPERATURES MAY PRODUCE SULFUR TRIOXIDE & SULFUR DIOXIDE

SECTION V.

Health Hazard Information Health Hazard Data	
Routes of Exposure:	NO EXPOSURE LIMITS HAVE BEEN ESTABLISHED BY OSHA
Inhalation:	POSSIBLE DUST IRRITATION
Skin Contact:	NONE
Skid Absorption:	NONE
Eye Contact:	POSSIBLE DUST IRRITATION
Ingestion:	MAY CAUSE BOWEL MOVEMENTS IF SWALLOWED, CONSULT PHYSICIAN

NOTE TO PHYSICIAN: Magnesium Sulfate Heptahydrate (Epsom Salt) is an inorganic chemical having no properties which are deleterious to the skin of humans, internally or externally. For several hundred years it has been widely used as a cathartic and analgesic in aqueous solution. It is in the US Pharmacopeia XIII as well as the Food Chemical Codex.