

MARTIN MARIETTA MAGNESIA SPECIALTIES 8140 Corporate Drive, Suite 220 BALTIMORE, MD 21236 (410) 780-5500	MSDS CODE: 98-0025 BPT DATE: November 20, 2009
EMERGENCY PHONE: (800)424-9300 CHEMTREC	
CHEMICAL DESCRIPTION: Aqueous suspension containing Magnesium Nitrate	
PRODUCT USE: Fuel Additive Applications	
PRODUCT NAME(S): Utilimag 7667	

SECTION II: HAZARDOUS COMPONENTS

HAZARDOUS COMPONENT	CAS NUMBER	APPROX WT %	LD50 or LC50 (species/route)
Magnesium Nitrate Hexahydrate	13446-18-3	60-100	No data available

SECTION III: PHYSICAL DATA

BOILING POINT (F): Not determined	FREEZE POINT (F): Not determined
pH: Not determined	VAP PRESS (mm Hg): Not determined
% VOLATILE (by VOL): Not determined	SPECIFIC GRAVITY: 1.35-1.36@15C
VAPOR DENSITY: Not determined	EVAPORATION RATE: Not determined
SOLUBILITY IN WATER: 100%	ODOR THRESH (ppm): Not determined
PHYSICAL STATE: Liquid	OIL/WATER COEFFIC: Not determined
APPEARANCE AND ODOR: Colorless to light yellow, no odor	

SECTION IV: FIRE & EXPLOSION DATA (con't on page 2)

FLASH POINT (METHOD): Product is not flammable or combustible.		
AUTO-IGNITION TEMP: Not applic	LEL: Not applic	UEL: Not applic
SENSITIVE TO MECHANICAL IMPACT? No	SENSITIVE TO STATIC DISCHARGE? No	

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SECTION IV: FIRE & EXPLOSION DATA (con't From page 1)

FLAMMABILITY CLASS: Not Flammabl	CONDITIONS OF FLAMMABILITY: Not Flammable
<p>EXTINGUISHING MEDIA: Product is not Flammable. Use media appropriate to primary source of fire. Otherwise, use dry chemical, water spray, water fog, carbon dioxide, foam or sand/earth.</p>	
<p>SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective gear.</p>	
<p>UNUSUAL FIRE & EXPLOSION HAZARDS: Extreme heat may cause toxic fumes of nitrogen oxide to evolve.</p>	
<p>HAZARDOUS COMBUSTION PRODUCTS: None known.</p>	

SECTION V: REACTIVITY DATA

STABLE - YES: XX	NO:
<p>CONDITIONS OF REACTIVITY: Will react with incompatibles (see Section V below)</p>	
<p>CONDITIONS OF CHEMICAL INSTABILITY: Stable under ambient temperatures and pressures.</p>	
<p>INCOMPATIBILITY (MATERIALS TO AVOID): Strong reducing agents and strong acids; water reactive materials.</p>	
<p>HAZARDOUS DECOMPOSITION PRODUCTS: None known.</p>	
IS THIS PRODUCT SUBJECT TO POLYMERIZATION?	NO: XX YES:
CONDITIONS UNDER WHICH PRODUCT WILL POLYMERIZE:	None known.

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SECTION VI: TOXICOLOGICAL/HEALTH HAZARD DATA

ROUTES OF ENTRY - SKIN CONTACT: Yes OF ENTRY INHALATION: Yes	SKIN ABSORPTION: No INGESTION: Yes	EYE CONTACT: Yes
EXPOSURE LIMITS Magnesium Nitrate	ACGIH none established	OSHA none established
EFFECTS OF ACUTE EXPOSURE: Mild skin irritant, conjunctivitis (inflammation of eyelids or eyes), upset stomach and/or other gastrointestinal disturbances. Symptoms are usually temporary.		
EFFECTS OF CHRONIC EXPOSURE: Prolonged skin contact may result in dermatitis (drying) or eczema (itching)		
SIGNS & SYMPTOMS OF EXPOSURE: Irritation of mucous membranes on upper respiratory system causes upset stomach if swallowed; coughing, fever and nausea if inhaled.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Large doses may cause nausea and vomiting and may have serious or even fatal effects. No known medical conditions aggravated by exposure to this product.		
NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known	IRRITANCY OF PRODUCT: Not determined	
REPRODUCTIVE TOXIN? No	TERATOGEN? No	MUTAGEN? No
		SENSITIZER? No
CONSIDERED CARCINOGENIC BY - NTP? No	IARC? No	OSHA? No

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SECTION VII: PREVENTATIVE MEASURES

GLOVES (SPECIFY):

Water impervious gloves during manual handling of product.

EYES (SPECIFY):

Safety goggle or chemical splash goggle, especially if splashing expected.

FOOTWEAR (SPECIFY):

Steel reinforced shoes when handling pallets of product.

CLOTHING (SPECIFY):

Long sleeves, buttoned collar, long pants extended over shoes or coveralls.

RESPIRATORY PROTECTION (SPECIFY):

UP TO 100 MG/M3: Any dust, mist or fume respirator; any air supplied respirator; or, self-contained breathing apparatus.

UP TO 250 MG/M3: Any supplied air respirator 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.

SPECIFIC ENGINEERING CONTROLS TO BE USED WITH THIS PRODUCT:

Local and general mechanical dust collection and ventilation in accordance with good engineering practices should be provided to maintain low exposure levels.

PROCEDURES TO FOLLOW IN CASE OF SPILL OR LEAK:

Ventilate enclosed spaces and use appropriate respiratory protection. Keep spilled material from sewer drains. Reclaim product for re-use, if possible, or collect and seal in DOT approved containers for disposal in an appropriate manner.

DISPOSAL PROCEDURE: Dispose in accordance with local, state and federal regs.

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SECTION VII: PREVENTATIVE MEASURES (con't From page 4)

<p>HANDLING PROCEDURES AND EQUIPMENT: Keep container closed when not in use. Do not allow product to dry out. Store above 32 F to prevent product from freezing. Consumption of food and beverages should be avoided in work area where product is being used. After handling product, always wash hands and face thoroughly with soap and water before eating, drinking or smoking.</p>
<p>STORAGE REQUIREMENTS: Do not store near combustible materials.</p>
<p>DOT SHIPPING INFO: Not regulated by DOT</p>

SECTION VIII: FIRST AID PROCEDURES

<p>INHALATION: Remove to fresh air immediately. Do not permit exposed person to remain in misty environment without adequate respiratory protection.</p>
<p>EYE CONTACT: Do not rub eyes. Wash eyes under slowly running water for at least fifteen minutes, making sure eyes are held wide open and moved slowly in every direction. Ensure no solid particles remain in creases of eyelids. If so, continue to wash. If irritation persists, consult an ophthalmologist.</p>
<p>SKIN CONTACT: Remove from source of irritation. Remove contaminated clothing and wash affected area thoroughly with a mild soap and water. Wash contaminated clothing before reusing.</p>
<p>INGESTION: Ingestion of large amounts may have serious or even fatal effects. If victim is conscious, give large amounts of water and induce vomiting. Get immediate medical attention.</p>

SECTION IX: PREPARATION INFORMATION

PREPARED BY: Linda Aydtlett	PHONE: (410) 780-5548	DATE PREPARED: 02/25/2003
<p>SOURCES USED: ACGIH 2000; RTECS June '98; Sax - 8th Edition</p>		