

MARTIN MARIETTA MAGNESIA SPECIALTIES 8140 Corporate Drive, Suite 220 BALTIMORE, MD 21236 (410) 780-5500	MSDS CODE: 00-019 BPT
	DATE: November 20, 2009
EMERGENCY PHONE: (800)424-9300 CHEMTREC	
CHEMICAL DESCRIPTION: Aqueous suspension containing Magnesium Nitrate and Calcium Nitrate	
PRODUCT USE: Fuel Additive Applications	
PRODUCT NAME(S): Utilimag 7668	

## SECTION II: HAZARDOUS COMPONENTS

HAZARDOUS COMPONENT	CAS NUMBER	APPROX WT %	LD50 or LC50 (species/route)
Calcium Nitrate	39368-85-9	15-40	No data available
Magnesium Nitrate Hexahydrate	13446-18-9	15-40	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:	1.36 - 1.40
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:	Yellow tint to colorless liquid, no odor		

## SECTION IV: FIRE &amp; 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, but can contribute to intensity of a fire. 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 &amp; 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): Organic or other oxidizable materials, copper or brass</p>	
<p>HAZARDOUS DECOMPOSITION PRODUCTS: Extreme heat may cause toxic fumes of nitrogen oxides to evolve.</p>	
IS THIS PRODUCT SUBJECT TO POLYMERIZATION?	NO: XX YES:
<p>CONDITIONS UNDER WHICH PRODUCT WILL POLYMERIZE: None known.</p>	

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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 Calcium Nitrate Magnesium Nitrate	ACGIH none established none established	OSHA none established none established
EFFECTS OF ACUTE EXPOSURE: Mild skin irritant, conjunctivitis (inflammation of eyelids or eyes). Upset stomach and/or other gastrointestinal disturbance. Skin contact may cause rashes or sores, especially if skin is broken at point of contact.		
EFFECTS OF CHRONIC EXPOSURE: Prolonged skin contact may result in dermatitis (drying) or eczema (itching)		
SIGNS & SYMPTOMS OF EXPOSURE: Red, swollen, itching eyes. Nausea, vomiting. Redness and/or itching skin.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Large doses may cause nausea and vomiting and may have serious or even fatal effects.		
NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known	IRRITANCY OF PRODUCT: Not determined	
REPRODUCTIVE TOXIN? No	TERATOGEN? No	MUTAGEN? No
CONSIDERED CARCINOGENIC BY - NTP? No		SENSITIZER? 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):

None required under normal conditions of use. Self-contained breathing apparatus should be used under spill and/or fire conditions.

SPECIFIC ENGINEERING CONTROLS TO BE USED WITH THIS PRODUCT:

Local and general mechanical collection and ventilation in accordance with good engineering practices should be provided to maintain vapors and fumes below 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)

HANDLING PROCEDURES AND EQUIPMENT:

Keep container closed when not in use. Keep away from combustible materials. Keep away from fire. Consumption of food and beverages should be avoided in area where product is being used. After handling product, always wash hands and face thoroughly with soap and water before eating, drinking or smoking.

STORAGE REQUIREMENTS:

Do not store near oxidizable materials, copper or brass. Store in approved, properly labeled and closed containers in a cool area.

DOT SHIPPING INFO:

Not regulated by DOT

SECTION VIII: FIRST AID PROCEDURES

INHALATION:

Remove to fresh air immediately. Do not permit exposed person to remain in misty environment without adequate respiratory protection.

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.

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.

INGESTION:

If person is conscious, give large amounts of water and induce vomiting. Get immediate medical attention.

SECTION IX: PREPARATION INFORMATION

PREPARED BY: Linda Aydtlett	PHONE: (410) 780-5548	DATE PREPARED: 04/28/2003
<p>SOURCES USED: ACGIH 2000; RTECS June '98; Sax - 8th Edition</p>		