MATERIAL SAFETY DATA SHEET

T & S Educational/Kemtec Science

D.O.T.

NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

(513) 860-4949					MSDS No.: AA0325 Effective Date: January 1, 2007				
SECTIO	NI	NAM	Ε		24 HOUI	REMERG	ENCY A	SSISTANCE	
Product						CHEMTREC			
Chemical Synonyms	Mascagnite; Diammonium Sulfate			0 800-424-9300 Health 2 Day 585-226-6177 Fire 0					
Formula				NFPA Reactivity 1					
Unit Size	up to 2.5 Kg.			HAZARD RATING HMIS *					
C.A.S. No.	7783-20-2				MINIMAL SLIGHT MODERATE SERIOUS SEVERE 0 1 2 3 4				
SECTION II INGREDIENTS OF M Principal Component(s)						E S %	TL\	/ Units	
Amr	monium sulfate					100%	None	e established.	
	NOT BREATH			LOWED.					
Melting Poir	nt (°F)	Decomposes above 280°C (536°F)			Specific Gravity (H ₂ O = 1)		1.769 at 20°C		
Boiling Poin	t (°F)	N/A			Percent Volatile by Volume (%) Evaporation Rate		Negligible.		
Vapor Press	sure (mm Hg)	N/A			(=1)	е	Not applicable.		
Vapor Dens	ity (Air=1)	N/A							
Solubility in		70.6 grams per 100 mL. water at 0°C.							
Appearance		Brownish-gray				ZA 515 US	~E-2/~		
SECTION Flash Point (Method Used)	FIRE AND EXPLOSION Flammable Limits in A % by Volume			imits in Air	n Air Lower Upper				
Extinguisher Media	Use a	any media suitable for extinguishing supporting fire.							
SPECIAL FIREFIGHTING PROCEDURES In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.									
UNUSUAL EXPLOSIO	Noncombustible. Decomposes above 100°C to toxic ammonia gas. Melts and decomposes with emission of a mixture of ammonia and sulfur trioxide at about 455°F. If accidentally mixed with oxidizers like potassium chlorate, potassium nitrate, or potassium nitrite there is an explosion hazard during a fire.								

HEALTH HAZARD DATA JEGHION AV

SECTION VI REACTIVITY DATA

Threshold Limited Value None established for this product (ACGIH 2001).

RTECS No. BS4500000 Toxicity studies: Oral-rat LD50: 3000 mg/Kg.

Effects of Overexposure

Inhalation of dusts may be irritating to lungs and mucous membranes. Causes sneezing, mild nosebleed to sensitized persons. Ingestion may cause irritation to digestive tract. May cause skin and eye irritation. Exercise appropriate procedures to minimize potential hazards. Target organs: None known.

Emergency and First Aid Procedures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give

anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. SKIN: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

All treatment and free free to							
Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.			
	Stable	Х		Excessive temperature and neat.			
Incompatibility (Materials to Avoid)		Strong oxidizers (Potassium chlorate, Potassium nitrate, Potassium nitrite).					
Hazardous Decomposition Products			Thermal decomposition or burning may produce carbon monoxide and/ or carbon dioxide, nitrogen oxides, sulfur oxides, ammonia.				
Hazardous Polymerization			Conditions to Avoid				

SECTION VII

Will Not Occur

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Wear protective equipment and use adequate ventilation. Recover for use if not contaminated. Avoid creating dust. Sweep up spill and place in a suitable container for proper disposal. Wash spill area with soap and water.

Not applicable.

Waste Disposal Method

May Occur

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

For small spills, dissolve in water and flush to sewer with copious amounts of water. For large spills, dipose of in accordance with federal, state and local regulations.

SECTION	/ /II	SP	ECALPROT	=(0)	TIONII	NEORI	MATION
SECTION VIII SPECIAL PROTECTION INFORMATION Respiration Protection (Specify Type) None should be needed in normal laboratory handling. If dusty conditions exist via neutilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.					f dusty conditions exist work		
	Local Exhaust		Recommended.		Special	No.	
Ventilation	Mechanical (General)		Recommended.		Other	No.	
Protective Gloves			Eye Protection				
Other Protective					ing bood		

SPECIAL PRECAUTIONS

Equipment SECTION IX

Goggles, lab coat, proper gloves, eye wash station, ventilation hood.

Precautions to be Taken in Handling & Storing

Store in a cool, dry place. Keep container tightly closed when not in use. Wash thoroughly after handling.

Keep container tightly closed when not in use.

Read label on container before using. Do not wear contact lenses when working with chemicals For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Other Precautions

> Avoid breathing dust. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing.

James A. Bertsch JAR. 01/01/07 Approved Revision No. 8 Date Coordinator

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