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SB 16966
SB 16967
SA 9353, SA 9354

MATERIAL SAFETY DATA SHEET

Effective: 10/1/85

SECTION I. IDENTIFICATION OF PRODUCT

CHEMICAL NAME AMMONIUM SULFATE	FORMULA (NH ₄) ₂ SO ₄
	CHEMICAL FAMILY INORGANIC SALT
SYNONYM OR CROSS REFERENCE Ammonium Sulphate; Diammonium Sulfate; Sulfuric Acid, Diammonium Salt	CAS NO: 7783-20-2
	EPA NO:

SECTION II. HAZARDOUS INGREDIENTS

MATERIAL	%	NATURE OF HAZARD	THRESHOLD LIMIT VALUE
			Nuisance Dust Total Dust 10mg/m ³ Respirable Dust 5mg/m ³

SECTION III. PHYSICAL DATA

BOILING POINT N/A	MELTING POINT Decomposes at 455°F (235°C)
VAPOR PRESSURE N/A	SPECIFIC GRAVITY (H ₂ O = 1) 1.77
VAPOR DENSITY (AIR = 1) N/A	PERCENT VOLATILE BY VOLUME (%) 0
WATER SOLUBILITY (g/100g Water) 70.6 (0°C); 76.7 (25°C); 103.8 (100°C)	EVAPORATION RATE (_____ = 1) N/A
APPEARANCE AND ODOR White crystalline solid and slight odor of ammonia	Solubility in g/100g saturated solution 41.22 (0°C); 43.47 (25°C); 50.42 (100°C)

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used) Non Combustible	FLAMMABLE LIMITS Non Combustible	Lower	Upper
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FIRE EXTINGUISHING MEDIA Use water spray or water flooding.

SPECIAL FIRE-FIGHTING PROCEDURES In fire conditions, wear full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARD Melts and decomposes @ 455°F with emission of ammonia and sulfur trioxide.

SECTION V. HEALTH HAZARD

ACUTE HEALTH EFFECTS Irritating to eyes, mucous membranes, and moist areas of the body.

CHRONIC HEALTH EFFECTS . No known chronic health effects

FIRST AID PROCEDURES Skin: Wash with soap and large quantity of water; Eyes: Irrigate eyes for at least 15 minutes; Oral: Do not induce vomiting!! Dilute with up to 4 oz. of water or milk for an adult. Excessive dilution may cause vomiting. Inhalation: Remove to fresh air; General: Get medical attention for exposure to eyes, ingestion, inhalation, exposure, or other persistent symptoms.

SECTION VI. REACTIVITY DATA

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STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

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INCOMPATIBILITY (materials to avoid) Ammonium nitrate and potassium or sodium potassium alloy; potassium chlorate; potassium nitrite; strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS Melts and decomposes at 455°F with emission of ammonia and sulfur trioxide.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII. SPILL AND DISPOSAL PROCEDURES

SPILLS Collect spilled material and store in a dry area until disposal.

DISPOSAL Do not burn. Do not dispose of in water source unless approved by local/State/federal authorities. Ammonium sulfate if not contaminated by other chemicals, is not a hazardous waste. Dispose of in an approved landfill under supervision of landfill operator.

SECTION VIII. PROTECTION INFORMATION

EYE PROTECTION Wear safety glasses or safety chemical goggles.

SKIN PROTECTION Wear gloves and further skin protection if employee has sensitive skin, or if a skin reaction occurs.

RESPIRATORY PROTECTION Wear a dust mask if dust levels exceed nuisance dust limit of: 10mg/m³ total dust; 5mg/m³ respirable dust.

VENTILATION Use adequate ventilation to assure dust levels below nuisance dust limit.

OTHER PRECAUTIONS

SECTION IX. HANDLING AND STORAGE PRECAUTIONS

STORAGE & HANDLING Store material in a dry area.

SECTION X. MISCELLANEOUS INFORMATION

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