

MATERIAL SAFETY DATA SHEET

Company Name: AMEREX CORPORATION
Address: 7595 GADSDEN HIGHWAY
City / State / Zip: TRUSSVILLE / AL / 35173
US-CHEMTREC Phone(I): (800)424-9300
US-CHEMTREC Phone(II): (703)527-3887
CAN-CANUTEC Phone: (613)996-6666
Vendor Update: 12/17/2009
Date Prepared: 1/25/2010
MSDS Number: 2025AV ; 2100AH ; FB500 ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: A-B-C FIRE EXTINGUISHER – DRY CHEMICAL
HMIS Ratings:

Health: Slight(1)
 Flammability: Minimal(0)
 Instability/Reactivity: Minimal(0)
 Personal Protective Equipment: 1/2 MASK APR
 W/HEPA CARTRIDGES (SEE SECTION 8)

NFPA Ratings:

Health: Minimal(0)
 Flammability: Minimal(0)
 Instability/Reactivity: Minimal(0)

Other: LIGHT YELLOW, FINE SOLID POWDER, ODORLESS

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
MONO-AMMONIUM PHOSPHATE	7722-76-1		PNOC ** 10 MG/M ³ 3 MG/M ³	PNOC 15 MG/M ³ 5 MG/M ³		RAT: >1000 MG/KG	
Notes	DFG MAK* PNOC: TOTAL DUST 4 MG/M ³ ; RESPIRABLE FRACTION, 1.5 MG/M ³						
AMMONIUM SULPHATE	7783-20-2		PNOC 10 MG/M ³ 3 MG/M ³	PNOC 15 MG/M ³ 5 MG/M ³		2840 MG/KG	
Notes	DFG MAK* PNOC TOTAL DUST: 4 MG/M ³ RESPIRABLE FRACTION: 1.5 MG/M ³						
ATTAPULGITE CLAY MAGNESIUM ALUMINUM SILICATE	12174-11-7		PNOC 10 MG/M ³ 3 MG/M ³	PNOC 15 MG/M ³ 5 MG/M ³			
Notes	DFG MAK* PNOC: TOTAL DUST: 4 MG/M ³ RESPIRABLE FRACTION: 1.5 MG/M ³						
MICA POTASSIUM ALUMINUM SILICATE	12001-26-2		3 MG/M ³	6 MG/M ³			
Notes	DFG MAK*: NR						
SILICONE OIL METHYL HYDROGEN POLYSILOXANE	63148-57-2		NR ***	NR			
Notes	DFG MAK*: NR						
CALCIUM CARBONATE	1317-65-3		PNOC 10 MG/M ³ 3 MG/M ³	PNOC 15 MG/M ³ 5 MG/M ³			
Notes							

AMORPHOUS SILICA PRECIPITATED SYNTHETIC ZEALITE	112926-00-8		10 MG/M ³	143 MG/M ³ OR 80 MG/M ³ / % SiO ₂			
Notes	DFG MAK* PNOC 4 MG/M ³						
YELLOW 14 PIGMENT-DI-AZO DYE	5468-75-7		NR ***	NR			
Notes	DFG MAK*: NR						
Other:	* GERMAN REGULATORY LIMITS ** PNOC = PARTICULATES NOT OTHERWISE CLASSIFIED (ACGIH) ALSO KNOWN AS PARTICULATES NOT OTHERWISE REGULATED (OSHA) *** NR = NOT REGULATED. ALL VALUES ARE 8 HOUR TIME WEIGHTED AVERAGE CONCENTRATIONS HAZARD SYMBOLS: WHMIS (CANADIAN WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION SYSTEM): D2B, PRODUCT MAY IRRITATE EYES, SKIN, OR MUCOUS MEMBRANES						

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Medical Conditions

Aggravated by Exposure:

Other: EMERGENCY OVERVIEW: LIGHT YELLOW, FINE SOLID POWDER, ODORLESS.

IV. FIRST AID MEASURES

Eyes: IRRITATE EYES WITH WATER AND REPEAT UNTIL PAIN FREE. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS OR IF VISION CHANGES OCCUR.

Skin: IN CASE OF CONTACT, WASH WITH PLENTY OF SOAP AND WATER. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Ingestion: IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-3 GLASSES OF WATER TO DRINK AND DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION. DO NOT LEAVE VICTIM UNATTENDED. TO PREVENT ASPIRATION OF SWALLOWED PRODUCT, LAY VICTIM ON SIDE WITH HEAD LOWER THAN WAIST. IF VOMITING OCCURS AND THE VICTIM IS CONSCIOUS, GIVE WATER TO FURTHER DILUTE THE CHEMICAL.

Inhalation: IF RESPIRATORY IRRITATION OR DISTRESS OCCURS REMOVE VICTIM TO FRESH AIR. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

Other: MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: INHALATION OF PRODUCT MAY AGGRAVATE EXISTING CHRONIC RESPIRATORY PROBLEMS SUCH AS ASTHMA, EMPHYSEMA, OR BRONCHITIS. SKIN CONTACT MAY AGGRAVATE EXISTING SKIN DISEASE. CHRONIC OVEREXPOSURE MAY CAUSE PNEUMOCONIOSIS ("DUSTY LUNG" DISEASE).

V. FIRE FIGHTING MEASURES

Extinguishing Agents: NON COMBUSTIBLE AND NON FLAMMABLE – PRODUCT IS AN EXTINGUISHING AGENT.

Unusual Fire or Explosion Hazards: IN A FIRE THIS MATERIAL MAY DECOMPOSE, RELEASING OXIDES OF SULFUR AND CARBON (SEE SECTION 10).

Other: INSENSITIVE TO MECHANICAL IMPACT OR STATIC CHARGE.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup: CLEANUP RELEASED MATERIAL USING VACUUM OR WET SWEEP AND SHOVEL TO MINIMIZE GENERATION OF DUST. WEAR APPROPRIATE RESPIRATORY

PROTECTION. BAG AND DRUM FOR DISPOSAL. IF PRODUCT IS USED AND/OR CONTAMINATED, USE PPE AND CONTAINMENT APPROPRIATE TO THE NATURE OF THE MIXTURE. PREVENT MATERIAL FROM ENTERING WATERWAYS.

VII. HANDLING AND STORAGE

Other: AVOID SKIN, EYE, OR RESPIRATORY EXPOSURE. USE APPROPRIATE PPE WHEN HANDLING OR MAINTAINING EQUIPMENT, AND WASH THOROUGHLY AFTER HANDLING (SEE SECTION 8). KEEP PRODUCT IN ORIGINAL CONTAINER OR EXTINGUISHER. CONTENTS MAY BE UNDER PRESSURE—INSPECT FOR EXTINGUISHER RUST PERIODICALLY TO INSURE CONTAINER INTEGRITY. DO NOT MIX WITH OTHER EXTINGUISHING AGENTS.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: WEAR CHEMICAL GOGGLES.

Skin: USE NITRILE, LATEX, OR SIMILAR GLOVES AND COVERALLS. GOOD PERSONAL HYGIENE PRACTICES ESSENTIAL, SUCH AS AVOIDING FOOD, TOBACCO PRODUCTS, OR OTHER HAND-TO-HAND MOUTH CONTACT WHEN HANDLING. WASH THOROUGHLY AFTER HANDLING.

Respiratory: USE N95 DUST MASK OR AIR PURIFYING RESPIRATOR (AFR) WITH HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTERS.

Other: DURING THE APPLICATION OF THIS PRODUCT AGAINST FIRES, EXHAUST GASES AND THE PRODUCTS OF INCOMPLETE COMBUSTION (PIC'S) ARE THE PRINCIPLE RESPIRATORY HAZARDS. IN THE MANUFACTURE OF EXTINGUISHERS, AUTOMATED SYSTEMS AND POINT SOURCE VENTILATION CONTROLS SUFFICIENTLY MINIMIZE RESPIRATORY EXPOSURE. EMPLOYERS AND EMPLOYEES MUST USE THEIR COLLECTIVE JUDGMENT IN DETERMINING OCCUPATIONAL SETTINGS WHERE THE USE OF A DUST MASK OR AIR PURIFYING RESPIRATOR IS PRUDENT. THE NEED FOR RESPIRATORY PROTECTION IS NOT LIKELY FOR SHORT-TERM USE IN WELL VENTILATED AREAS.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: YELLOW POWDER

Boiling Point: NOT APPLICABLE

pH: 4-5

Solubility in Water: PRODUCT COATED—NOT IMMEDIATELY SOLUBLE IN WATER

Specific Gravity: 88 IN AERATED CONDITION

Vapor Pressure: <1 MM HG

Other: NO EXPLOSIVE OR OXIDIZING PROPERTIES

X. STABILITY AND REACTIVITY

Stability: STABLE

Hazardous Decomposition Products: HEAT OF FIRE MAY RELEASE CARBON MONOXIDE, CARBON DIOXIDE, AND SULFUR DIOXIDE. OXIDES OF PHOSPHOROUS AND AMMONIA REPORTED.

Incompatible Products: STRONG ALKALIS (BASES), MAGNESIUM, STRONG OXIDIZERS SUCH AS CALCIUM HYPOCHLORITE (POOL CHLORINE) AND ISOCYANURIC ACIDS.

Other: POSSIBILITY OF HAZARDOUS REACTIONS: SLIGHT. SEE INCOMPATIBILITIES ABOVE.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data: MONO AMMONIUM PHOSPHATE LD50 (RAT): >1000MG/KG BODY WEIGHT. AMMONIUM SULFATE LD50 (RAT): 2840 MG/KG BODY WEIGHT. TARGET ORGANS IN MAN: RESPIRATORY SYSTEMS, EYES, SKIN. THIS PRODUCT IS AN IRRITANT TO EPITHELIAL TISSUE, AND MAY AGGRAVATE DERMATITIS. NO INFORMATION WAS FOUND INDICATING THE PRODUCT CAUSES SENSITIZATION.

Other: CHRONIC TOXICITY: PNEUMOCONIOSIS, OR "DUSTY LUNG" DISEASE, MAY RESULT FROM CHRONIC EXPOSURE TO ANY DUST.
REPRODUCTIVE TOXICITY: THIS PRODUCT'S INGREDIENTS ARE NOT KNOWN TO HAVE REPRODUCTIVE OR TRATOGENIC EFFECTS.

XII. ECOLOGICAL INFORMATION

Ecotoxicity: NEGATIVE EFFECTS UNKNOWN. PROVIDES NUTRIENT NITROGEN AND PHOSPHORUS TO PLANT LIFE.

Persistence and Degradation: DEGRADES RAPIDLY IN HUMID/WET ENVIRONMENT

Other: BIOACCCUMMULATION: EXTENT UNKNOWN.
MOBILITY IN SOIL: SLOW EVAPORATION RATE; WATER SOULUBLE, MAY LEACH TO GROUND WATER.

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: THIS PRODUCT IS NOT A RCRA CHARACTERISTICALLY HAZARDOUS OR LISTED HAZARDOUS WASTE. DISPOSE OF ACCORDING TO STATE OR LOCAL LAWS, WHICH MAY BE MORE RESTRICTIVE THAN FEDERAL LAWS OR REGULATIONS. USED PRODUCT MAY BE ALTERED OR CONTAMINATED, CREATING DIFFERENT DISPOSAL CONSIDERATIONS.

XIV. TRANSPORT INFORMATION

United States: SHIPPING INFORMATION: WHEN SHIPPED IN A STORED PRESSURE TYPE FIRE EXTINGUISHER, AND PRESSURIZED WITH A NON-FLAMMABLE, NON- TOXIC INERT EXPELLANT GAS, THE FIRE EXTINGUISHER IS CONSIDERED A HAZARDOUS MATERIAL BY THE US DEPARTMENT OF TRANSPORTATION AND TRANSPORT CANADA. THE PROPER SHIPPING NAME SHALL BE FIRE EXTINGUISHER AND THE UN DESIGNATED IS UN 1044. THE DOT HAZARD CLASS/DIVISION IS 2.2 NON FLAMMABLE GAS. PACKING GROUP - N/A

Other: THIS PRODUCT IS NOT HAZARDOUS MATERIAL UNDER U.S. DEPARTMENT OF TRANSPORTATION (DOT) 49 CFR 172, AND IS NOT REGULATED BY THE DOT OR TRANSPORT CANADA "TRANSPORTATION OF DANGEROUS GOODS" REGULATIONS.

XV. REGULATORY INFORMATION

TSCA Status: YES

EPA Sara Title III Chemical Listings: NONE OF THE CHEMICALS IN THIS PRODUCT ARE UNDER SARA REPORTING REQUIREMENTS OR HAVE SARA THRESHOLD PLANNING QUANTITIES (TPQ'S) OR CERCLA REPORTABLE QUANTITIES (RQ'S), OR ARE REGULATED UNDER TSCA 8(D)

Supplemental State Compliance Information: ALASKA - DESIGNATED TOXIC AND HAZARDOUS SUBSTANCES: NONE
FLORIDA - SUBSTANCE LIST: MICA DUST, AMMONIUM SULFATE.
ILLINOIS - TOXIC SUBSTANCE LIST: NONE
KANSAS - SECTION 302/303 LIST: NONE
MINNESOTA - LIST OF HAZARDOUS SUBSTANCE: NONE
MISSOURI - EMPLOYER INFORMATION/TOXIC SUBSTANCE LIST: NONE
NORTH DAKOTA - LIST OF HAZARDOUS CHEMICALS, REPORTABLE QUANTITIES: NONE
RHODE ISLAND - HAZARDOUS SUBSTANCE LIST: MICA DUST, AMMONIUM

SULFATE

TEXAS – HAZARDOUS SUBSTANCE LIST: NONE

WEST VIRGINIA – HAZARDOUS SUBSTANCE LIST: NONE

WISCONSIN – HAZARDOUS SUBSTANCE LIST: NONE

California: PERMISSIBLE EXPOSURE LIMITS FOR CHEMICAL CONTAMINANTS: NONE
CALIFORNIA 65: NO COMPONENT IS LISTED ON THE CALIFORNIA PROPOSITION 65 LIST

Massachusetts: SUBSTANCE LIST: MICA DUST, AMMONIUM SULFATE

New Jersey: RIGHT TO KNOW HAZARDOUS SUBSTANCE LIST: NONE

Pennsylvania: HAZARDOUS SUBSTANCE LIST: NONE

Other: INTERNATIONAL INVENTORY STATUS:
ALL INGREDIENTS ARE ON THE FOLLOWING INVENTORIES
COUNTRY(IES) / AGENCY / STATUS
CANADA / DSL / YES
EUROPE / (EINECS/ELINCS) / YES
AUSTRALIA / AICS / YES
JAPAN / MITI / YES
SOUTH KOREA / KECL / YES

EUROPEAN RISK AND SAFETY PHRASES:

EU CLASSIFICATION: HARMFUL

RISK PHRASES:

R PHRASES:

22, HARMFUL IF SWALLOWED

36/37/38; IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN

S PHRASES:

26; IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE

36; WEAR SUITABLE PROTECTIVE CLOTHING

COMPONENTS:

MONO AMMONIUM PHOSPHATE: EU CLASSIFICATION: HARMFUL

RISK PHRASES:

R PHRASES:

22, HARMFUL IF SWALLOWED

36/37/38; IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN

S PHRASES:

26; IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE

36; WEAR SUITABLE PROTECTIVE CLOTHING

AMMONIUM SULFATE: EU CLASSIFICATION: HARMFUL

RISK PHRASES:

R PHRASES:

22, HARMFUL IF SWALLOWED

36/37/38; IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN

S PHRASES:

26; IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE

36; WEAR SUITABLE PROTECTIVE CLOTHING

XVI. OTHER INFORMATION

Other: THIS MSDS CONFORMS TO REQUIREMENTS UNDER U.S., U.K., CANADIAN, AUSTRALIAN, AND EU REGULATIONS OR STANDARDS.

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.