

MATERIAL SAFETY DATA SHEET 1/2

AMEREX CORPORATION
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 RESPONSIBLE PARTY: MSDS COORDINATOR

DATE PREPARED: 8-1-91
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IDENTIFICATION

PRODUCT NAME: ABC DRY CHEMICAL
 SYNONYMS: MULTI-PURPOSE DRY CHEMICAL, MAP, (MONO) AMMONIUM PHOSPHATE, ALL PURPOSE DRY CHEMICAL

HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	OSHA PEL TWA - mg/m3	ACGIH TLV TWA - mg/m3
Mica	12001-26-2	3 Respirable Dust	3 Respirable Fraction
Kaolin	1332-58-7	10 Total Dust 5 Respirable Fraction	10 (c)

OTHER INGREDIENTS

MATERIAL	CAS NO.	OSHA PEL TWA - mg/m3	ACGIH TLV TWA - mg/m3
Monorammonium Phosphate	7722-76-1	15 Total Dust (a) 5 Respirable Fraction	10 (b)
Ammonium Sulfate	7783-20-2	15 Total Dust (a) 5 Respirable Fraction	10 (b)

(a) Particulate matter not otherwise classified.
 (b) Particulate matter not otherwise classified. Total dust containing no asbestos & less than 1% crystalline silica.
 (c) Total dust containing no asbestos & less than 1% crystalline silica.

PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT (°F): NA	SPECIFIC GRAVITY (H ₂ O = 1): 0.85	VAPOR PRESSURE (MM HG): NA
PERCENT VOLATILE (%): NA	VAPOR DENSITY (AIR = 1): NA	EVAPORATION RATE: NA
SOLUBILITY IN WATER: Water repellent coated	REACTIVITY IN WATER: None	MELTING POINT (°F): NA
pH: 4.4	APPEARANCE & ODOR: Yellow powder. No characteristic odor.	
FLASH POINT (°F): None	AUTO IGNITION TEMPERATURE (°F): NA	FLAMMABLE LIMITS IN AIR BY VOL: NA
EXTINGUISHER MEDIA: None. This material is an extinguishing agent.		
SPECIAL FIRE FIGHTING PROCEDURES: None		UNUSUAL FIRE AND EXPLOSION HAZARDS: None

PHYSICAL HAZARDS

STABILITY: Stable	CONDITIONS TO AVOID: NA
INCOMPATIBILITY (MATERIALS TO AVOID): Strong Alkalis, Mg, Sodium Nitrite, Swimming Pool Sanitizers (Inorganic Perchlorates, Sodium Dichloroisocyanurate Dihydrate, Trichloroisocyanuric Acid, Calcium Hypochlorite, Etc.)	
HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, Carbon Monoxide and Oxides of Nitrogen	
HAZARDOUS POLYMERIZATION: Will not occur	CONDITIONS TO AVOID: NA

HEALTH EFFECTS AND FIRST AID

2/2

EFFECTS OF ACUTE OVEREXPOSURE FOR PRODUCT:

- EYES:** The liquid form of this material can produce chilling sensations and discomfort.
- SKIN:** Evaporation of liquid from the skin can produce chilling sensations.
- BREATHING:** Exposures for more than a few minutes above 2% (8.5 lbs/1000 cu. ft. air) concentration can produce dizziness, impaired coordination, and cardiac effects.
- SWALLOWING:** Not likely to occur since this material is a gas at room temperature.

FIRST AID:

- IF IN EYES:** Flush with water for 15 minutes. If redness, itching, or a burning sensations develops, have eyes examined and treated by medical personnel.
- IF ON SKIN:** Wash with soap and water. If redness, itching, or a burning sensations develops, seek medical attention.
- IF BREATHED:** Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.
- IF SWALLOWED:** Give 1 or 2 glasses of warm water to drink and seek medical attention. Do not induce vomiting.

PRIMARY ROUTES OF ENTRY: Eyes, Skin Contact, Breathing

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: In susceptible individuals, cardiac sensitization to circulating epinephrine compounds can result in potentially fatal heart arrhythmias.

EFFECTS OF CHRONIC OVEREXPOSURE FOR PRODUCT: Unknown.

PRODUCT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

NATIONAL TOXICOLOGY PROGRAM: YES
 NO

IARC MONOGRAPHS:

YES
 NO

OSHA: YES
 NO

CONTROL MEASURES AND PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION (TYPE): Not normally needed. If needed, use MSHA/NIOSH approved respirator for organic vapors. Wear NIOSH approved self-contained breathing apparatus at concentrations above 2%.

VENTILATION: GENERAL AREA: Recommended

LOCAL EXHAUST: Recommended

SKIN PROTECTION: Impervious Gloves for Liquid exposure

EYE PROTECTION: Safety Glasses. DO NOT WEAR CONTACT LENSES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash station and safety shower in work area when working with liquified product.

WORK/HYGIENE PRACTICES: Use good personal hygiene and good housekeeping practices.

SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in cool area with good ventilation. Keep vapors away from high temperature surfaces to avoid toxic and corrosive decomposition products.

OTHER PRECAUTIONS: Enforce "No Smoking" rules in areas of use.

STEPS TO BE TAKEN IN CASE PRODUCT IS RELEASED OR SPILLED: Ventilate spill area and recover any liquid.

HMIS RATINGS:

HEALTH 2
FLAMMABILITY 0
REACTIVITY 0

HMIS HAZARD INDEX:

MINIMAL 0
SLIGHT 1
MODERATE 2
SERIOUS 3
SEVERE 4

The information provided herein is offered in good faith and is to the best of our knowledge current. Although certain hazards are described herein we cannot state that these are the only hazards which exist. Final determination of suitability and safe usage of this material is the sole responsibility of the user who is obligated to review this data in the specific context of the intended use and determine appropriateness. No guarantee is implied or expressed regarding the accuracy of this information or the use of this material since the conditions of use are beyond our control.