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MATERIAL SAFETY DATA SHEET IDENTITY- CLASS D DRY CHEMICAL

SECTION I. Chemical Product and Company Identification

Product Name: Class D Dry Chemical Fire Extinguishant

Synonym: Class D Powder Supplier: Amerex Corporation

Distributor: Buckeye Fire Equipment Company

SECTION II. Hazard Identification and Emergency Overview

Emergency Overview: Product is an off-white, fine solid powder that is odorless.

Adverse Health Effects and Symptoms: Product is a moderate irritant to the respiratory system and eyes; a mild irritant to the skin. Symptoms may include abraded skin, shortness of breath, coughing, and irritation to the eyes, lungs, and skin. Ingestion may cause gastric irritation.

Exposure Guidelines:

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Property and the property of t	OSHA PEL	ACGIH TLV
Sodium Chloride	Particulates Not Otherwise Classified	Particulates Not Otherwise Classified
	Total Dust- 15 mg m ²	Total Dust- 10 mg/m ⁹
	Respirable Fraction- 5 mg m*	Respirable Fraction- 3 mg/m*
Mica	20 mppcf	Respirable Fraction- 3 mg/m ²
Attapulgite Clay	Particulates Not Otherwise Classified	Particulates Not Otherwise Classified
	Total Dust- 15 mg/m ²	Total Dust- 10 mg/m3
	Respirable Fraction- 5 mg/m3	Respirable Fraction- 3 mg/m
Mineralite (Zeolite)	80 mg/m² / %Si01	10 mg/m ⁵
Magnesium Stearate	Particulates Not Otherwise Classified	Particulates Not Otherwise Classified
Control of the Contro	Total Dust- 15 mg/m*	Total Dust- 10 mg/m²
	Respirable Fraction- 5 mg/m2	Respirable Fraction- 3 mg/m*
Silica, Amorphous (fumed)	Particulates Not Otherwise Classified	
	Total Dust- 15 mg/m ³	2 mg/m ²
	Respirable Fraction- 5 mg/m ²	
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Hazard Symbols:

HMIS RATINGS:

Health I Flammability 0 Reactivity 0

Personal Protective Equipment: use N-95 dust mask (See Section 8)

WHMIS (Canadian Workplace Hazardous Materials Identification)
D2B- May irritate eyes, nucous membranes, and/or skin

SECTION III. Composition/Information on Ingredients

	Weight 76	CA3#
Sodium Chloride (evaporated flour grade)	87	7647-14-5
Attapulgite Clay (contains > 1% crystalline silica)	4.2	12174-11-7
Mica	4.2	12001-26-2
Zeolite	2.1	112926-00-8
Silica	< 2	301-10-0
Magnesium Stearate	< 1	557-04-0

^{* %} is rounded to the nearest appropriate number. Values are not to be considered product specifications



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SECTION IV. First Aid Measures

Eye Exposure-Flush eyes with water until pain-free. If irritation develops or persists, seek medical attention.

Skin Exposure- Wash with plenty of soap and water. If irritation develops or persists, seek medical attention.

Inhalation- Move victim to fresh air. If irritation develops or persists, seek medical attention.

Ingestion- Not known to present an ingestion hazard.

Medical Conditions Possibly Aggravated by Exposure- Inhalation of the product may aggravate existing chronic respiratory conditions such as asthma, emphysema, or bronchitis. Contact with the skin may aggravate an existing skin disease. Chronic overexposure may cause pneumoconiosis ("Dusty Lung" disease).

SECTION V. Firefighting Measures

Extinguishing Media: N/A. This product is an extinguishing agent. It is nonflammable and noncombustible. Special Firefighting Procedures: N/A

Unusual Fire and Explosion Hazards: None known.

Sensitivity to Mechanical Impact or Static Discharge: None

SECTION VI. Accidental Release Measures

In case of accidental release, use the appropriate respiratory protection. Clean up the product using a vacuum or wet sweep and shovel to minimize the generation of dust. Bag or drum the product for disposal. If the product is used and/or contaminated, use personal protective equipment and containment means that are appropriate for the composition of the mixture.

SECTION VII. Handling and Storage

Avoid eye and respiratory exposure. Use the appropriate personal protective equipment when handling. Wash thoroughly after handling (Refer to Section VIII). Product should be stored in its original container or extinguisher. When the product is contained under pressure (e.g., an extinguisher), inspect the container for rust or damage that may compromise the container integrity. Do not mix with other extinguishing agents.

SECTION VIII. Exposure Controls and Personal Protection

During the use of this product on fires, exhaust gases and products of incomplete combustion are the main respiratory hazards. In the manufacture of this product, employers and employees must use their collective judgment in determining the on-the-job settings where the use of a dust mask or respirator is prudent. The need for respiratory protection is not likely for short-term use in well-ventilated areas.

Respiratory Protection: Use an N-95 dust mask for limited exposures and use air-purifying respirators with high efficiency particulate air filters (HEPA filters) for prolonged exposures.

Eye Protection: Wear chemical goggles or full-face air-purifying respirator.

Skin Protection: Use nitrile, latex, or similar gloves and coveralls. Good personal hygiene practices are essential. After handling the product, avoid food, tobacco products, or other means of transferring the product from hand to mouth until after thoroughly washing.

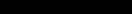
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SECTION IX. Physical and Chemical Properties

Appearance and Odor: Off-white powder that is odorless.

Specific Gravity: ~1.0

Solirbility: The product is coated with water repellant silicone. Not immediately soluble in water.

pH: Approximately 7 for a 10% solution.

Flash Point: N/A Flammability: N/A

Vapor Pressure: < 1 mm Hg

Bolling Point: N/A

Explosive or Oxidizing Properties: None SECTION X. Stability and Reactivity

Stability: Stable

Incompatibles: Strong acids and strong oxidizers (such as bleach).

Decomposition Products: Heat of fire may release chlorine compounds and oxides of sodium.

Hazardous Reactions: None

SECTION XI. Toxicological Information

Acute Taxicity: Sodium Chloride LDs (rat): oral, 3000rng/kg body weight.

LDs (mouse): oral, 4000mg/kg body weight LDLo (rat): subcutaneous, 3500 mg/kg body weight LDLo (dog): intraperitoneal, 364 mg/kg body weight

Target organs in humans: None. This product is an irritant to epithelial tissue and may aggravate dermatitis. No information found of an indication that the product causes

sensitization.

Cirronic Toxicity: This product's ingredients are not considered as porbable or suspected carcinogens by

OSHA, IARC, or ACGIH. Pneumoconiosis, or "Dusty Lung" disease, may result from

chronic exposure to any dust.

Reproductive Toxicity: This product's ingredients are not known to have any reproductive effects.

SECTION XII. Ecological Information

Ecotoxicity: Negative effects are unknown.

Degradability: Degrades slowly in wet or humid environment.

Bioaccumulation: Unknown extent.

Mobility in Soil: Insoluble coating, poor mobility

SECTION XIII. Considerations for Disposal

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 regulations. Be aware that product used on a fire may be altered or contaminated and thereby require different disposal considerations.

SECTION XIV. Transportation Information

This product is not defined as a hazardous material under U.S. Department of Transportation 49 CFR 172. or by Transport Canada "Transportation of Dangerous Goods" regulations.

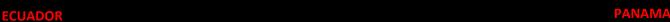
Please Note: Although this material is not considered hazardous, when contained in a stored pressure fire extinguisher pressurized with a nonflammable gas, the extinguisher itself is considered hazardous material by the U.S. Department of Transportation (USDOT) and Transport Canada (TC). Packaging of the fire extinguisher shall be identified with the Proper Shipping Name (Fire Extinguisher) and the UN Identification Number (UN 1044). The USDOT hazard class/division is 2.2 Nonflammable Gas. Packing Group = N/A



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SECTION XV. Regulatory Information

International Inventory Status: All ingredients are on the following inventories

 Country
 Agency

 U.S.A.
 TSCA

 Canada
 DSL

 Europe
 EINECS/ELINCS

 Australia
 AICS

 Japan
 MITI

 South Korea
 KECL

European Risk and Safety Phrases:

EU Classification- Irritant

R Phrases- 20 Harmful by inhalation.

36/37 Irritating to eyes, respiratory system.

S Phrases- 22 Do not breath dust.

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of

water and seek medical advice.

U.S. Federal Regulatory Information:

None of the chemicals in this product are under SARA reporting requirements or have SARA Threshold Planning Quantities or CERCLA Reportable Quantities, or are regulated under TSCA 8(d).

State Regulatory Information:

Chemicals in this product are covered under the specific State regulations noted:

Alaska Designated Toxic and Hazardous Substances- None

California Permissible Exposure Limits for Chemical Contaminants- None

Florida Substance list- Mica dust
Illinois Toxic Substance List- None
Kansas Section 302/303 List- None
Massachusetts Substance list- Mica dust

Minnesota List of Hazardous Substances-None

Missouri Employer Information/Toxic Substance List- None
New Jersey Right to Know Hazardous Substance List- None
North Dakota List of Hazardous Chemicals, Reportable Quantities- None

Pennsylvania Hazardous Substance List- None
Rhode Island Hazardous Substance List- Mica dust
Texas Hazardous Substance List- No
West Virginia Hazardous Substance List- None
Wisconsin Toxic and Hazardous Substances- None

California Proposition 65- No component is listed on the California Proposition 65 List

SECTION XVI. Other Information

This MSDS conforms to the requirements under U.S., U.K., Canadian, Australian, and EU Regulations or Standards. It conforms to the proposed 2003 ANSI Z400.1 format.

The information contained herein is given in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made.



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