

MATERIAL SAFETY DATA SHEET

fire extinguisher

2SF24
41300, 41301
41889, 51890
51903, 51904, 51905

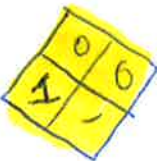
Health: 1
FIRE: 0
REACTIVITY: 0

ABC DRY CHEMICAL POWDER - POLVO QUIMICO SECO ABC
Document: DID90064.DOC
Quality Assurance Subdivision
Revised Date: 23-Aug-94

SECTION I - PRODUCT IDENTIFICATION
Trade Name/Label Name: PYRO CIEM ABC MULTIPURPOSE
CAS Number: NOT APPLICABLE
Manufacturer's Name:

INDUSTRIAL DE FOSFATOS, S.A. DE C.V.
AV. DIVISION DEL GOLFO 3308 NORTE
87620 CD. VICTORIA, TAMAULIPAS
MEXICO

Phone: (131) 3-0302; Fax: (131) 3-0301
Chemical Name/Synonyms: ABC FIRE EXTINGUISHING POWDER
FIRE EXTINGUISHING AGENT
Emergency Telephone Number: CIEMTREC 1-800-424-9300



SECTION II - INGREDIENTS

Compound, CAS No.	Weight % Approx.	OSHA PEL	Exposure Limits ACGIH TLV	Hazard
MONOCALCIUM PHOSPHATE, 7722-76-1	55-90	NONE	NONE	NONE
AMMONIUM SULFATE, 7783-20-2	2-37	NONE	NONE	NONE
MICA, 12001-26-2	1-3	20 mppcf	3 mg/cm3	---
ATTAPULGUS CLAY, 8031-18-3	1-3	NONE	NONE	NONE
AMORPHOUS SILICA, 7631-86-9	0.5-2.5	---	10 mg/cm3	NONE
METHYLHYDROGENPOLYSILOXANE, 68037-59-2	0.3-1	NONE	NONE	NONE

Notes: TLV reported as 8-hour Time-weighted average for respirable dust (nuisance dust)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point, deg C: NA
Vapor Pressure, mm Hg @ 20 deg C: NA
Vapor Density, (air=1): NA
Relative Density @ 20/4 deg C: NA
Evaporation Rate (Butyl Acetate=1): NA
Viscosity @ 20 deg C: NA
Melting Point, deg C: NA
Solubility in Water: LIMITED
Appearance and Odor: ODORLESS FINE YELLOW POWDER

NA = Not applicable

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA
Autoignition Temperature: NA
Flammable Limits in Air: THE PRODUCT IS NONFLAMMABLE
Extinguishing Media: NOT APPLICABLE
Special Fire Fighting Procedures:
THE MATERIAL IS NOT COMBUSTIBLE AND WILL NOT BURN. ONE OF ITS USES IS AS A POWDER FOR FIRE EXTINGUISHERS. HOWEVER, USE STANDARD CHEMICAL FIRE FIGHTING PROCEDURES AND CONSIDER THE HAZARDS OF OTHER INVOLVED MATERIALS. FOR FIRES IN ENCLOSED AREAS, FIREFIGHTERS MUST USE SELF-CONTAINED BREATHING APPARATUS. PREVENT RUNOFF FROM FIRE CONTROL OR DILUTION FROM ENTERING STREAMS OR DRINKING WATER SUPPLY.

Unusual Fire and Explosion Hazards: NONE
HMIS Rating: Health=1, Fire=0, Reactivity=0
NFPA Hazard Classification: Health=1, Fire=0, Reactivity=0

SECTION V - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: EXTREME HEAT
Compatibility (Materials to avoid): NONE
Hazardous Decomposition or Byproducts: AMMONIA; PHOSPHORUS OXIDES
Hazardous Polymerization: Will Not Occur
Conditions to avoid: NOT APPLICABLE

SECTION VI - HEALTH HAZARD DATA

Routes of Entry: Inhalation, Skin/Eyes
Health Hazard (Acute and Chronic):
BREATHING DUST MAY IRRITATE THE NOSE AND THROAT AND CAUSE COUGHING AND CHEST DISCOMFORT. DUSTS MAY IRRITATE THE EYES. PROLONGED CONTACT CAN PRODUCE SLIGHT SKIN IRRITATION.
Carcinogenicity: NTP: NO IARC: NO OSHA: NO
THIS MATERIAL IS NOT CONSIDERED TO BE A CARCINOGEN.
Medical Conditions Generally Aggravated by Exposure:
RESPIRATORY DISEASE INCLUDING ASTHMA AND EMPHYSEMA.
Emergency and First Aid Procedures:
EYE CONTACT:
FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE.
SKIN CONTACT:
WASH CONTACT AREAS WITH SOAP AND WATER
INHALATION:
REMOVE FROM FURTHER EXPOSURE. IF UNCONSCIOUSNESS OCCURS, SEEK IMMEDIATE MEDICAL ASSISTANCE AND CALL A PHYSICIAN. IF BREATHING HAS STOPPED, USE MOUTH TO MOUTH RESUSCITATION.
INGESTION:
NOT EXPECTED TO BE A PROBLEM. HOWEVER, IF GREATER THAN HALF LITER (ONE PINT) INGESTED, IMMEDIATELY GIVE 1 TO 2 GLASSES OF WATER AND CALL A PHYSICIAN, HOSPITAL EMERGENCY ROOM OR POISON CONTROL CENTER FOR ASSISTANCE. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
NOTES TO PHYSICIAN: SYMPTOMATIC TREATMENT ONLY.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled:
WEAR PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS, RUBBER GLOVES, RUBBER APRON AND A FULL FACE PIECE OR A HALF MASK AIR-PURIFYING CARTRIDGE RESPIRATOR WITH PARTICULATE FILTERS. WEAR CHEMICAL GOGGLES IF A HALF MASK IS WORN. FOR SMALL SPILLS, SWEEP UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. FOR LARGE SPILLS, SHOVEL INTO DOT-APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATERS AND SOIL. COMPLY WITH ALL APPLICABLE GOVERNMENTAL REGULATIONS ON SPILL REPORTING AND HANDLING AND DISPOSE OF WASTE.
Waste Disposal Method:
DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES. NOTE: EMPTY CONTAINERS CAN HAVE RESIDUES, GASES AND RISKS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

Precautions to Be Taken in Handling and Storing:

STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM ALKALINE MATERIALS. KEEP BAGS OR FIBER DRUMS DRY AT ALL TIMES. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT CUT, GRIND, WELD OR DRILL ON OR NEAR PRODUCT CONTAINERS. CONTAINERS, EVEN THOSE THAT HAVE BEEN EMPTIED, WILL RETAIN PRODUCT RESIDUE AND VAPORS. ALWAYS OBEY HAZARD WARNINGS AND HANDLE EMPTY CONTAINERS AS IF THEY WERE FULL.
Other Precautions:
REPORT SPILLS AS REQUIRED TO APPROPRIATE AUTHORITIES. U.S. COAST GUARD REGULATIONS REQUIRE IMMEDIATE REPORTING OF SPILLS THAT COULD REACH ANY WATERWAY INCLUDING INTERMITTENT DRY CREEKS. REPORT SPILLS TO COAST GUARD TELEPHONE NUMBER (800) 424-8802. IN CASE OF ACCIDENT OR ROAD SPILL NOTIFY TO CHEMTREC TELEPHONE NUMBER (800) 424-9300.

SECTION VIII - CONTROL MEASURES

Respiratory Protection:
USE DUST RESPIRATOR APPROVED BY NIOSH/MSHA SCHEDULE TC-21C FOR DUSTY CONDITIONS OR IF DUST LEVELS EXCEED ESTABLISHED STANDARDS. NO SPECIAL REQUIREMENTS UNDER ORDINARY CONDITIONS OF USE AND WITH ADEQUATE VENTILATION.
Ventilation:
USE IN WELL VENTILATED AREA.
Protective Equipment:
CHEMICAL TYPE GOGGLES SHOULD BE WORN.
Work/Hygiene Practices:
NO SPECIAL EQUIPMENT REQUIRED. HOWEVER, GOOD PERSONAL HYGIENE PRACTICES SHOULD ALWAYS BE FOLLOWED.

SECTION IX - REGULATORY INFORMATION

DOT SHIPPING NAME: NOT APPLICABLE
DOT HAZARD CLASS: NOT APPLICABLE
U.S. OSHA HAZARD COMMUNICATION STANDARD:
PRODUCT ASSESSED IN ACCORDANCE WITH OSHA 20 CFR 1910.1200 AND DETERMINED NOT TO BE HAZARDOUS.
RCRA INFORMATION:
THE UNUSED PRODUCT, IN OUR OPINION, IS NOT SPECIFICALLY LISTED BY THE EPA AS HAZARDOUS WASTE (40 CFR, PART 261), NOR IS IT FORMULATED TO CONTAIN MATERIALS WHICH ARE LISTED HAZARDOUS WASTES. IT DOES NOT EXHIBIT THE HAZARDOUS CHARACTERISTICS OF IGNITABILITY, CORROSIVITY OR REACTIVITY, AND IS NOT FORMULATED WITH CONTAMINANTS AS DETERMINED BY THE TOXICITY CHARACTERISTICS LEACHING PROCEDURE (TCLP). HOWEVER, USED PRODUCT MAY BE REGULATED.
U.S. SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III:
THIS PRODUCT CONTAINS NO "EXTREMELY HAZARDOUS SUBSTANCES"
SARA 311/312 FORMERLY 302 REPORTABLE HAZARD CATEGORIES: NONE
SARA (313) TOXIC RELEASE PROGRAM: NO REPORTABLE CHEMICALS.

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This product data is offered in good faith as typical and not as a product specification. The information contained herein is based on available data and is believed to be true and accurate. No warranty, expressed or implied, regarding the accuracy of this data, hazards, connected with the use of the material, or the results to be obtained from the use thereof, are made. INDUSTRIAL DE FOSFATOS, S.A. DE C.V. assumes NO responsibility for damage or injury from the use of the product described herein.

HAZ CLASS :
UN ID # :
PACKING GROUP :
LABEL :

INTERNATIONAL - IMCO - WATER SHIPMENTS

DOT SHIP NAME :
HAZ CLASS :
UN ID # :
PACKING GROUP :
LABEL :

GRAINGER SHIPPING INFORMATION

STOCK # : 51903

FREIGHT CODE : 930

DOT PROPER SHIPPING NAME : FIRE EXTINGUISHERS

HAZARDOUS CLASS NUMBER : 2.2

UN ID# : UN-1044

PACKING GROUP : ----

LIMITED QUANTITY : Y

SHIPPING LABEL : NON-FLAMMABLE GAS

HAZMAT CARTON # : USE GRAINGER "S" CARTON 200 LB. BURST STRENGTH

SP QTY : 0001

RG : N

EXCEPTION : Y LTD. QTY. PACKAGING

EXEMPTION : N

COMMENTS : DO NOT SHIP AIR!!

ERG TO ACCOMPANY SHIPMENT

INTERNATIONAL INFORMATION BELOW

INTERNATIONAL - IATA - AIR SHIPMENTS

DOT SHIP NAME :
HAZ CLASS :
UN ID # :
PACKING GROUP :
LABEL :

INTERNATIONAL - IMCO - WATER SHIPMENTS

DOT SHIP NAME :
HAZ CLASS :
UN ID # :
PACKING GROUP :
LABEL :

GRAINGER SHIPPING INFORMATION

STOCK # : 51904

FREIGHT CODE : 930

DOT PROPER SHIPPING NAME : FIRE EXTINGUISHERS

HAZARDOUS CLASS NUMBER : 2.2

UN ID# : UN-1044

PACKING GROUP : - Y

LIMITED QUANTITY : Y

SHIPPING LABEL : NON-FLAMMABLE GAS

HAZMAT CARTON # : USE GRAINGER "S" CARTON 200 LB. BURST STRENGTH

SP QTY : 6

RG : N

EXCEPTION : Y LTD. QTY. PACKAGING

EXEMPTION : N

COMMENTS : DO NOT SHIP AIR!!

ERG TO ACCOMPANY SHIPMENT

INTERNATIONAL INFORMATION BELOW

INTERNATIONAL - IATA - AIR SHIPMENTS

DOT SHIP NAME :
HAZ CLASS :
UN ID # :
PACKING GROUP :
LABEL :

INTERNATIONAL - IMCO - WATER SHIPMENTS

DOT SHIP NAME :
HAZ CLASS :
UN ID # :
PACKING GROUP :
LABEL :

GRAINGER SHIPPING INFORMATION

STOCK # : 51905

FREIGHT CODE : 930

DOT PROPER SHIPPING NAME : FIRE EXTINGUISHERS

HAZARDOUS CLASS NUMBER : 2.2

UN ID# : UN-1044

PACKING GROUP : - Y

LIMITED QUANTITY : Y

SHIPPING LABEL : NON-FLAMMABLE GAS

HAZMAT CARTON # : USE GRAINGER "S" CARTON 200 LB. BURST STRENGTH

SP QTY : 0001

RG : N

EXCEPTION : Y LTD. QTY. PACKAGING

EXEMPTION : N

COMMENTS : DO NOT SHIP AIR!!

ERG TO ACCOMPANY SHIPMENT

INTERNATIONAL INFORMATION BELOW

INTERNATIONAL - IATA - AIR SHIPMENTS

DOT SHIP NAME :
HAZ CLASS :
UN ID # :
PACKING GROUP :
LABEL :

INTERNATIONAL - IMCO - WATER SHIPMENTS

DOT SHIP NAME :
HAZ CLASS :
UN ID # :
PACKING GROUP :
LABEL :

HAZARDOUS MATERIAL WARNING (HAZMAT)

This HAZMAT WARNING should be attached or kept with the respective product with which it is associated.

GRAINGER SHIPPING INFORMATION
STOCK #: 41300
FREIGHT CODE : 930
DOT PROPER SHIPPING NAME: FIRE EXTINGUISHERS
HAZARDOUS CLASS NUMBER: 2.2
UN ID#: UN-1044
PACKING GROUP: -
LIMITED QUANTITY: Y
SHIPPING LABEL: NON-FLAMMABLE GAS
HAZMAT CARTON #: USE GRAINGER "S" CARTON 200 LB. BURST STRENGTH
SP QTY: 6
RO: N
EXCEPTION: Y LTD. QTY. PACKAGING
EXEMPTION: N
COMMENTS: DO NOT SHIP AIR!!
ERG TO ACCOMPANY SHIPMENT

INTERNATIONAL INFORMATION BELOW
INTERNATIONAL - IATA - AIR SHIPMENTS
DOT SHIP NAME:
HAZ CLASS :
UN ID # :
PACKING GROUP:
LABEL :

INTERNATIONAL - IMCO - WATER SHIPMENTS
DOT SHIP NAME:
HAZ CLASS :
UN ID # :
PACKING GROUP:
LABEL :

GRAINGER SHIPPING INFORMATION
STOCK #: 41301
FREIGHT CODE : 930
DOT PROPER SHIPPING NAME: FIRE EXTINGUISHERS
HAZARDOUS CLASS NUMBER: 2.2
UN ID#: UN-1044
PACKING GROUP: -
LIMITED QUANTITY: Y
SHIPPING LABEL: NON-FLAMMABLE GAS
HAZMAT CARTON #: USE GRAINGER "S" CARTON 200 LB. BURST STRENGTH
SP QTY: 4
RO: N
EXCEPTION: Y LTD. QTY. PACKAGING
EXEMPTION: N
COMMENTS: DO NOT SHIP AIR!!
ERG TO ACCOMPANY SHIPMENT

INTERNATIONAL INFORMATION BELOW
INTERNATIONAL - IATA - AIR SHIPMENTS
DOT SHIP NAME:
HAZ CLASS :
UN ID # :
PACKING GROUP:
LABEL :

INTERNATIONAL - IMCO - WATER SHIPMENTS
DOT SHIP NAME:
HAZ CLASS :
UN ID # :
PACKING GROUP:
LABEL :

GRAINGER SHIPPING INFORMATION
STOCK #: 41889
FREIGHT CODE : 930
DOT PROPER SHIPPING NAME: FIRE EXTINGUISHERS
HAZARDOUS CLASS NUMBER: 2.2
UN ID#: UN-1044
PACKING GROUP: -
LIMITED QUANTITY: Y
SHIPPING LABEL: NON-FLAMMABLE GAS
HAZMAT CARTON #: USE GRAINGER "S" CARTON 200 LB
SP QTY: 0001
RO: N
EXCEPTION: Y LTD. QTY. PACKAGING
EXEMPTION: N
COMMENTS: DO NOT SHIP AIR!!
ERG TO ACCOMPANY SHIPMENT

INTERNATIONAL INFORMATION BELOW
INTERNATIONAL - IATA - AIR SHIPMENTS
DOT SHIP NAME:
HAZ CLASS :
UN ID # :
PACKING GROUP:
LABEL :

INTERNATIONAL - IMCO - WATER SHIPMENTS
DOT SHIP NAME:
HAZ CLASS :
UN ID # :
PACKING GROUP:
LABEL :

GRAINGER SHIPPING INFORMATION
STOCK #: 51899
FREIGHT CODE : 930
DOT PROPER SHIPPING NAME: FIRE EXTINGUISHERS
HAZARDOUS CLASS NUMBER: 2.2
UN ID#: UN-1044
PACKING GROUP: -
LIMITED QUANTITY: Y
SHIPPING LABEL: NON-FLAMMABLE GAS
HAZMAT CARTON #: USE GRAINGER "S" CARTON 200 LB. BURST STRENGTH
SP QTY: 4
RO: N
EXCEPTION: Y LTD. QTY. PACKAGING
EXEMPTION: N
COMMENTS: DO NOT SHIP AIR!!
ERG TO ACCOMPANY SHIPMENT

INTERNATIONAL INFORMATION BELOW
INTERNATIONAL - IATA - AIR SHIPMENTS
DOT SHIP NAME: