

MATERIAL SAFETY DATA SHEET (MSDS)

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

5342 040

Order Number: 803221 Packout Lane: 1PACK0005 Item Number: 2SC43

GRAINGER SHIPPING INFORMATION  
 STOCK #: 2W091  
 FREIGHT CODE: 930  
 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: 6  
 RQ: 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: FIRE EXTINGUISHERS  
 HAZ CLASS : 2.2  
 UN ID # : UN 1044 /  
 PACKING GROUP:  
 LABEL : NON-FLAMMABLE GAS  
 COMMENTS:

INTERNATIONAL - IMCO - WATER SHIPMENTS  
 DOT SHIP NAME: FIRE EXTINGUISHERS  
 HAZ CLASS : 2.2  
 UN ID # : UN 1044 /  
 PACKING GROUP:  
 LABEL : NON-FLAMMABLE GAS  
 COMMENTS:

GRAINGER SHIPPING INFORMATION  
 STOCK #: 5X662  
 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: 6  
 RQ: 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: FIRE EXTINGUISHERS  
 HAZ CLASS : 2.2  
 UN ID # : UN 1044 /  
 PACKING GROUP:  
 LABEL : NON-FLAMMABLE GAS  
 COMMENTS:

INTERNATIONAL - IMCO - WATER SHIPMENTS  
 DOT SHIP NAME: FIRE EXTINGUISHERS  
 HAZ CLASS : 2.2  
 UN ID # : UN 1044 /  
 PACKING GROUP:  
 LABEL : NON-FLAMMABLE GAS  
 COMMENTS:

MATERIAL SAFETY DATA SHEET

2SC43  
 2W091,5X662  
 BCM DRY CHEMICAL POWDER - POLVO QUIMICO SECO BCM  
 Document: DID91015.DOC  
 Quality Assurance Subdivision  
 Revised Date: 23-Aug-94

SECTION I - PRODUCT IDENTIFICATION  
 Trade Name/Label Name: PYRO CHEM REGULAR-STEARATEDED BC  
 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: BCM FIRE EXTINGUISHING POWDER  
 FIRE EXTINGUISHING AGENT  
 Emergency Telephone Number: CHEMTREC 1-800-424-9300

Compound, CAS No.	Weight % Approx.	Exposure Limits OSHA PEL	Exposure Limits ACGIH TLV	Hazard
SODIUM BICARBONATE, 144-55-8	86-92	NONE	15 mg/cm3	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
MAGNESIUM STEARATE, 557-04-0	0.5-2	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  
 Melting Point, deg C: NA  
 Decomposes  
 Solubility in Water: LIMITED

Precautions to Be Taken in Handling and Storing:

STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM ACIDIC AND AMMONIUM COMPOUNDS. 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 261D), 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.

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): ACIDIC AND AMMONIUM COMPOUNDS  
Hazardous Decomposition or Byproducts: REACTION WITH ACID RELEASES CO2 GAS AND WITH AMMONIUM COMPOUNDS RELEASES AMMONIA GAS  
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 TO SEVERE 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.  
SKIN SENSITIVITY.

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 MISTS AND ARE SUBJECT TO PROPER WASTE DISPOSAL, AS ABOVE.

phone: (131) 3-03-02; 3-03-03; 3-03-04  
Fax: (131) 3-03-01

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