



Industrial de Fosfatos, S. A. de C. V.

Av. División del Golfo 3308
87019 Cd. Victoria, Tamps. México
e-mail: ifsa@pyro-chem.com

MATERIAL SAFETY DATA SHEET BCS DRY CHEMICAL POWDER – POLVO QUÍMICO SECO BCS

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name / Label Name:	PYRO-CHEM REGULAR SILICONIZED BCS
CAS Number:	N/A
Chemical Name / Family	N/A It is a mixture
Synonyms:	BCS Fire extinguishing powder BCS Dry chemical powder
Manufacturer's Name:	INDUSTRIAL DE FOSFATOS, S. A. DE C. V.
Address:	Av. División del Golfo 3308 Nte. 87019 Cd. Victoria, Tamaulipas, MÉXICO
Emergency telephone number:	CHEMTREC 1-800-424-9300
Business phone / Fax:	+52 (1) 313-03-03 / +52 (1) 313-03-01
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SECTION 2 – COMPOSITION AND INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS N°	% w/w	OSHA PEL mg/m ³	ACGIH TLV mg/m ³	TOXICITY DATA
Sodium bicarbonate	144-55-8	80 – 97	NONE	15	NONE
Calcium carbonate	471-34-1	0 – 10	NONE	NONE	NONE
Mica	12001-26-2	0 - 3	5	10	NONE
Attapulugus clay	8031-18-3	1 – 4	NONE	NONE	NONE
Amorphous silica	7631-86-9	0.2 – 1.0	6	10	NONE
Methyl Hydrogen Polysiloxane	68037-59-2	0.3 – 1.5	NONE	NONE	NONE

SECTION 3 – PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling point, °C:	N/A	Specific gravity (H ₂ O=1)	ABOUT 2.2	Viscosity @ 20°C:	N/A
Vapor pressure, mm Hg:	N/A	Percent volatile by volume:	N/A	Melting point, °C:	270
Vapor density (Air=1):	N/A	Evaporation rate (Butyl acetate=1)	N/A	Solubility in water:	16.4 g/100g
Reactivity in water:	Unreactive	Appearance and odor:	Odorless, fine white powder (color may vary)		

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA			
Flash point:	N/A	Flammable limits in air, % by volume	N/A
		Auto-ignition temperature:	N/A
Extinguishing media:	N/A – The product is a fire extinguishing agent		
Unusual fire and explosion hazards:	NONE		
Special fire fighting procedures:	The material is a fire extinguishing agent and will not burn. However, if other materials are involved, use standard chemical fire fighting procedures and consider the hazards of those materials. In enclosed areas, fire fighters must wear self-contained breathing apparatus and full protective equipment.		

SECTION 5 – REACTIVITY DATA			
Stability:	Stable	Conditions to avoid:	Extreme heat
		Hazardous polymerization:	Will not occur
Incompatibility (materials to avoid):	Strong acids. Do not mix with ABC type dry chemical extinguishing agents.		
Hazardous decomposition products:	Carbon dioxide.		

SECTION 6 – HEALTH HAZARD DATA	
Threshold limit value:	ACGIH TLV for particulates not otherwise classified: 10 mg/m ³ OSHA PEL for nuisance dust limit total: 15 mg/m ³
Routes of entry:	Inhalation: YES; may be irritant to the respiratory tract. Eye contact: YES; mildly irritant for a short period. Skin contact: YES; may be mildly irritating. Ingestion: NOT an expected route of entry.
Signs and symptoms of overexposure:	Acute: Transient cough, shortness of breath, irritation of airways. Chronic: This product is not known to cause chronic illness.
Medical conditions generally aggravated by exposure:	Asthma, emphysema, bronchitis or other respiratory illness.
Chemical listed as carcinogen or potential:	NTP program: No IARC monographs: No OSHA: No
Emergency and first aid procedures:	Eye contact: Flush with large amounts of water for at least 15 minutes. If irritation persists, seek medical attention. Skin contact: Wash with soap and water. If irritation persists, seek medical attention. Inhalation: Move victim to fresh air. Seek medical attention if discomfort continues. Ingestion: Rinse mouth, drink large amounts of water and induce vomiting. Seek medical help.

SECTION 7 – SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES	
Precautions to be taken in handling and storage:	Should be stored in original containers. Store in dry, cool, well-ventilated place away from acidic compounds. Wash after handling. Do not cut, grind, weld or drill on or near product containers. Treat empty containers as if they were full.
Other precautions:	Do not mix with acidic materials.
Steps to be taken in case materials is released or spilled:	Sweep up or vacuum. Store in covered containers. Do not reuse. In case of large spills, use rubber gloves, chemically resistant suit and boots, hard hat and air purifying respirator.
Waste disposal method:	Dispose of in compliance with local, state and federal regulations. Components are non hazardous, sanitary landfill disposal may be acceptable

SECTION 8 – SPECIAL PROTECTION INFORMATION

Respiratory protection:	Dust mask where dustiness is prevalent or TLV exceeded. Mechanical filter respirator if exposure is prolonged.
Ventilation:	Use adequate ventilation. Use fan or vent to outside.
Protective gloves:	Wear rubber gloves for routine industrial use.
Eye protection:	Recommended as mechanical barrier for prolonged exposure. Safety glasses or chemical type goggles.
Other protective equipment:	If irritation occurs, long sleeves and impervious gloves should be worn.
Work / Hygienic practices:	Use good personal hygiene and good housekeeping practices. Avoid breathing of dust. Wash with soap and water.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS

HEALTH: 1	FLAMMABILITY: 0	REACTIVITY: 0
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HAZARD INDEX:

- 0 Minimal hazard
- 1 Slight hazard
- 2 Moderate hazard
- 3 Serious hazard
- 4 Severe hazard

GENERAL KEYS:

- N/A: Not applicable.
- NDA: No data available.

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