

SAFETY DATA SHEET**Commercial ABC Dry Chemical
(Fire Extinguishing Agent)**

Revision date: January 3, 2025

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING

Product Name: Other Trade Name:	Commercial ABC Dry Chemical (Fire Extinguishing Agent)
Product Description	Multi-Purpose, Ammonium Phosphate, Monoammonium Phosphate Dry Chemical Fire Extinguishing Agent
Model Code(s) for Extinguishers:	PSE0050, PSE0402, PSE0404, PSE0407, PSE0411, PSE24-01, PSE26-02
Supplier	Interchem Limited
Address	9th Avenue South,
Phone Number	Barataria,
E-mail	Trinidad. (868) 235-CHEM (2436) sales@interchem.co.tt
Recommended Use:	Fire suppression, not for human or animal drug use

2. IDENTIFICATION OF HAZARDS TO PEOPLE AND ENVIRONMENT

GHS – Label Symbol(s):



If Pressurized: Gas Under Pressure



GHS – Signal Word(s):

Warning

This product is not hazardous if used for the purpose it has been developed. Can slightly irritate the eyes.

Can irritate the respiratory tract. To be considered as dust.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS#/Codes	Concentration
Monoammonium Phosphate	772-76-1	60 +/- 3.0%
Ammonium Sulfate	7783-20-2	30 +/- 2.0%
Mica	12001-26-2	<5%
Methyl H Polysiloxane	63148-57-2	<1%

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4. FIRST AID MEASURES

Eye Exposure:	May cause irritation. Irrigate eyes with water and repeat until pain free. Seek medical attention if irritation develops, or if vision changes occur
Skin Exposure:	May cause skin irritation. In case of contact, wash with plenty of soap and water. Seek medical attention if irritation persists.
Inhalation:	May cause irritation, along with coughing. If respiratory irritation or distress occurs, remove victim to fresh air. Give oxygen and artificial respiration if needed. Seek medical attention if irritation persists.
Ingestion:	Overdose symptoms may include numbness or tingling in hands or feet, uneven heart rate, paralysis, feeling faint, chest pain or heavy feeling, pain spreading to the arm or shoulder, nausea, diarrhea, sweating, general ill feeling, or seizure (convulsions). If victim is conscious and alert, give 2-3 glasses of water to drink. If conscious, do not induce vomiting. Seek immediate medical attention. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist.

5. FIRE - FIGHTING MEASURES

Flammable Properties:	Not flammable
Flash Point:	Not determined
Suitable Extinguishing Media:	Non-combustible. Use extinguishing media suitable for surrounding conditions.
Explosion Data:	
Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
Unusual fire/explosion hazards:	In a fire this material may decompose, releasing toxic and irritating oxides of carbon, sulfur, potassium, ammonia and nitrogen (see Section 10).
Protective Equipment and Precautions for Firefighters:	As in any fire, wear self-contained breathing apparatus in pressure-demand, NIOSH approved or equivalent and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid inhalation, and contact with skin, eyes, and clothing.
Personal Protective Equipment:	Minimum - safety glasses, gloves, and a dust respirator.
Emergency Procedures:	NA
Methods for Containment:	Prevent further leakage or spillage if safe to do so.
Methods for Clean Up:	Avoid dust formation. Clean up released material using vacuum or wet sweep and shovel to minimize generation of dust. Bag and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.
Environmental Precautions:	Prevent material from entering waterways.
Other:	If product is contaminated, use PPE and containment appropriate to the nature of the most toxic chemical/material in the mixture.

7. HANDLING AND STORAGE

Personal Precautions:	Use appropriate PPE when handling or maintaining equipment and wash thoroughly after handling (see Section 8).
Conditions for Safe Storage/ Handling:	Keep product in original container or extinguisher. Contents may be under pressure – inspect extinguisher consistent with product labeling to ensure container integrity.
Incompatible Products	Do not mix with other extinguishing agents, particularly potassium bicarbonate and sodium bicarbonate. Incompatible with strong oxidizing agents and strong acids. Do not store in high humidity. Do not combine with chlorine compounds.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment – PPE Code E:

The need for respiratory protection is not probable during short-term exposure. PPE use during production process must be independently evaluated.

Eye/Face Protection: Tightly fitting safety goggles

Skin and Body Protection: Wear protective gloves/coveralls

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn. Use P100 respirators for limited exposure, use air-purifying respirator (APR) with high efficiency particulate air (HEPA) filters for prolonged exposure. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current safety and health requirements. The need for respiratory protection is not likely for short-term use in well ventilated areas.

Hygiene Measures: Good personal hygiene practice is essential, such as avoiding food, tobacco products, or other hand-to-mouth contact when handling. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Powder
Color	Yellow
Odor	Odorless
Melting point	>100°C
Flame point	N/A
Solubility in Water	>90% after several hours

10. STABILITY AND REACTIVITY

Conditions to Avoid

Humidity

Substances to Avoid

Strongly caustic material

Hazardous decomposition products

Ammonia (>100°C)

In case of use of the material on fire, the odour of NH₃ is difficult to notice.

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11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Inhalation, skin, and eye contact.
Symptoms: Immediate:	
Inhalation:	Irritation, coughing.
Eyes:	Irritation.
Skin:	Irritation.
Delayed:	Symptoms appear to be relatively immediate
Acute Toxicity:	Relatively non-toxic.
Chronic Toxicity:	
Short-term Exposure:	None known.
Long-term Exposure:	As with all dusts, pneumoconiosis, or "dusty lung" disease, may result from chronic exposure.

12. ECOLOGICAL INFORMATION

Not hazardous.

Contains no heavy metal salts.

ABC dry chemical powder contains mono ammonium phosphate which is a soil fertiliser.

13. DISPOSAL CONSIDERATIONS

Recovery

By brushing or aspiration.

Neutralisation

Not necessary.

Disposal

Normally as fertiliser through and approved specialised company according to local and current authority regulations.

Contaminated Packaging

N/A

To avoid

see point 10.

14. TRANSPORT INFORMATION

No precautions.

International transport information

N/A

15. COMPLEMENTARY GENERAL INFORMATION

ABC dry chemical powder is a fire extinguishing agent.

It shall not be used for any other purpose.

The manufacturer cannot be considered responsible in case of wrong usage.