



SAFETY DATA SHEET

PRODUCT NAME **PULVEX ABC ROYAL POWDER**

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product Name	Pulvex ABC Royal Powder
Recommended Use	Fire Extinguishing Powder
Name of the Supplier	Tyco Safety Products
Address	6 Portage Road New Lynn Auckland New Zealand
Telephone Number	(09)8261700
Emergency Telephone	0800CHEMCALL' – 0800243622

2. HAZARD IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO HAZARDOUS SUBSTANCES (CLASSIFICATION) REGULATIONS 2001

HAZARD CLASSIFICATION

Overall Substance Classification

6.3B	Substances that are mildly irritating to the skin.
6.4A	Substances that are irritating to the eye.
9.1D	Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.
9.3C	Substances that are harmful to terrestrial vertebrates.

HAZARD STATEMENTS

H316	Causes mild skin irritation.
H320	Causes eye irritation.
H413	May cause long lasting harmful effects to aquatic life.
H433	Harmful to terrestrial vertebrates.

PRECAUTIONARY STATEMENTS

P103	Read label before use. Read Safety Data Sheet before use.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.

RESPONSE STATEMENTS

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.Hazard Classification.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content
Monoammonium Phosphate	7722-76-1	51-95%
Ammonium sulphate	7783-20-2	0-40%
Silane, dichlorodimethyl, reaction product with silica	68611-44-9	1-5%
Silica Gel	112926-00-8	0.1-1%
Bentonite, acid-leached	70131-50-9	<1%
Mica-group minerals	12001-26-2	<1%
Silicone Oil 0.1-1.0%	68037-59-2	0.1-1.0%

4. FIRST AID MEASURES

Eye Contact	Flush with large amount of water. If irritation persists, seek medical attention.
Skin Contact	Wash with soap and water. If irritation persists, seek medical attention.
Inhalation	Remove victim to fresh air. Seek medical treatment if discomfort continues.
Ingestion	If patient is conscious, give large amount of water and induce vomiting. Seek medical help.

5. FIRE FIGHTING MEASURES

Special Fire Fighting Procedure	No specific measures are required as this product is a fire extinguishing medium.
Respiratory Protection	Dust mask where dustiness is prevalent, or TLV is exceeded. Use mechanical filter respirator if exposure is prolonged.
Protective Gloves	None normally needed. Use impervious gloves if irritation occurs.
Eye Protection	Chemical goggles recommended as mechanical barrier for prolonged exposure.
Other Protective Equipment	Use overalls if irritation occurs.

Section 6: Accidental Release Measures

Accidental Released/Spills	Clear up spillage and transfer to a container for recovery or disposal. Vacuum cleaning is recommended to minimize dust formation.
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Section 7: Handling and Storage

Precautions for safe handling	When handling this product use suitable containment methods to avoid generation of dust and local exhaust ventilation to limit personal exposure.
Other Precautions	Do not mix fire protection agents.
Incompatibility	Caustic alkaline substances

8. EXPOSURE CONTROLS

Exposure Limits:	Nuisance dust limit: OSHA TWA: 15 mg/m ³ ACGIH TLV-TWA: 10mg/m ³
Ventilation:	Recommended
Local Exhaust:	Recommended
Mechanical (General):	Recommended
Personal Protective Equipment:	
Protective Gloves:	None normally needed. Use impervious gloves if irritation occurs.
Eye Protection:	Chemical goggles recommended as mechanical barrier for prolonged exposure.
Other Protective Equipment:	Use overalls if irritation occurs.
Respiratory Protection:	Dust mask where dustiness is prevalent, or TLV is exceeded. Use mechanical filter respirator if exposure is prolonged.

9. PHYSICAL AND CHEMICAL CHARACTERISTICS

Appearance	Blue Powder
Odor	Faint acid odour
Melting Point	>100° C
Solubility in water	>90% after several hours
pH (50% solution)	5

10. STABILITY AND REACTIVITY

Stability	Stable under ordinary conditions of use and storage.
Hazardous decomposition product	Heating may produce ammonia and oxides of phosphorus.
Incompatibility	Caustic alkaline substances

11. TOXICOLOGICAL INFORMATION

Threshold Limit Value	Nuisance dust limit OSHA TWA: 15mg/m ³ ACGIH TLV-TWA: 10mg/m ³
Inhalation:	Irritant to the respiratory tract. Transient cough, shortness of breath.
Ingestion:	Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting.
Skin Contact:	Causes irritation to skin. Symptoms may include redness, itching and pain.
Eye Contact:	Causes irritation, redness and pain.

12. ECOLOGICAL INFORMATION

Potential Environmental Interactions: Avoid unnecessary release of this substance to the environment. In the event of large spillage, advise appropriate authority

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Export the substance from New Zealand as waste ; or Treat the substance so that it is no longer a hazardous substance ; or Discharge the substance into the environment so that, after reasonable mixing, the concentration of the substance in an environmental medium does not exceed any relevant tolerable exposure limit and/or environmental exposure limit set for the substance or any of its components.
Legislation	Dispose of in accordance with relevant local legislation

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005 NZS 5433:2007, UN, IMDG OR IATA

Shipping Name	None Allocated				
UN No.	None Allocated	DG Class	None Allocated	Subsidiary Risk(s)	None Allocated
Pkg Group	None Allocated	Hazchem Code	None Allocated	EPG	None Allocated

15. REGULATORY INFORMATION

Approval Code:	HSR002573
Group Name:	Fire Fighting Chemicals Group Standard 2006
HSNO Controls:	Refer to the ERMA website for more information: www.ermanz.govt.nz .

16. OTHER INFORMATION**Additional Information****ABBREVIATIONS:**

ADB - Air-Dry Basis. BEI - Biological Exposure Indice(s) CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds. CNS - Central Nervous System. EINECS - European INventory of Existing Commercial chemical Substances. IARC - International Agency for Research on Cancer. M - moles per litre, a unit of concentration. mg/m3 - Milligrams per cubic metre. NOS - Not Otherwise Specified. NTP - National Toxicology Program. OSHA - Occupational Safety and Health Administration. pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). ppm - Parts Per Million. RTECS - Registry of Toxic Effects of Chemical Substances. TWAVES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a SDS report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this SDS report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

PRODUCT NAME**PULVEX ABC ROYAL POWDER****Report Status**

This document has been compiled by the retailer of the product and serves as the retailers Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to the retailer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the retailer.

While Tyco has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Tyco accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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