



## SAFETY DATA SHEET

PRODUCT NAME **ABC 48 & ABC 70, DRYPOWDER**

---

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

---

**Product Name** ISOCOMP ABC 48,70, PRIMA

**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

6.1E Substances that are acutely toxic.

6.3B Substances that are mildly irritating to the skin.

6.4A Substances that are irritating to the eye.

#### HAZARD STATEMENTS

H316 Causes mild skin irritation.

H320 Causes eye irritation.

H333 May be harmful if inhaled.

#### 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

P304 + P312 If inhaled: Call a POISON CENTER or doctor/physician if you feel unwell.

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

PRODUCT NAME

## ABC 48 & ABC 70, DRYPOWDER

---

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

---

Ingredient	CAS No.	Content
Monoammonium Phosphate	7722-76-1	48-90%
Ammonium sulphate	7783-20-2	5-47%

---

### 4. FIRST AID MEASURES

---

<b>Eye Contact</b>	Irrigate with fresh water for at least 15 minutes holding eyelids apart.
<b>Skin Contact</b>	Wash off with plenty of water.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Rinse mouth with water and give plenty of water to drink. If other symptoms persist seek medical advice and treat symptomatically.

---

### 5. FIRE FIGHTING MEASURES

---

<b>Special Fire Fighting Procedure</b>	No specific measures required as this product is a fire extinguishing medium.
<b>Respiratory Protection</b>	Dust mask/Respirator to reduce personal exposure
<b>Protective Gloves</b>	Recommended
<b>Eye Protection</b>	Recommended
<b>Other Protective Equipment</b>	Wear overalls. Adopt normal hygiene measures when using chemical.

---

### 6. ACCIDENTAL RELEASE MEASURES

---

<b>Spillage</b>	Clear up spillage and transfer to a container for recovery or disposal. Vacuum cleaning is recommended to minimize dust formation
-----------------	---

---

### 7. HANDLING AND STORAGE

---

<b>Precautions for: safe handling</b>	When handling this product use suitable containment methods to avoid generation of dust and local exhaust ventilation to limit personal exposure.
<b>Other Precautions:</b>	Keep cool and dry in the absence of vibration. Maintain good housekeeping practice
<b>Incompatibility:</b>	Reacts with alkalis to liberate ammonia.

---

### 8. EXPOSURE CONTROLS

---

**Exposure Limits:: Total Dust** 5mg/m<sup>3</sup> respirable dust

**Mechanical (General)** Recommended

PRODUCT NAME

## ABC 48 & ABC 70, DRYPOWDER

---

### 9. PHYSICAL AND CHEMICAL CHARACTERISTICS

---

<b>Appearance</b>	Fine, blue, pink, white or yellow powder
<b>Odour</b>	Odourless
<b>pH</b>	4.5 as a 1% solution in water
<b>Density</b>	Settled apparent density 1100-1600 kg/m <sup>3</sup>
<b>Solubility</b>	Soluble in water but silicon additives delay dissolution
<b>Flammability</b>	Non-flammable
<b>Decomposition</b>	at 27°C in flame zone

---

### 10. STABILITY AND REACTIVITY

---

Reacts with acids to generate heat  
If powder becomes damp or hard it is not suitable for firefighting purpose.

---

### 11. TOXICOLOGICAL INFORMATION

---

<b>Data on acute toxicity</b>	Oral, rat. LD <sub>50</sub>
<b>Monoammonium Phosphate</b> <b>Ammonium Sulphate</b>	greater than 2,000 mg/kg 2840 mg/kg
<b>Ingestion</b>	Practically non-harmful
<b>Skin contact</b>	Mild Irritant
<b>Inhalation</b>	Long term inhalation of dust may impair lung function
<b>Eye contact</b>	Dust may cause discomfort or irritation
<b>Eye, rabbit,</b>	Severe irritation

---

### 12. ECOLOGICAL INFORMATION

---

Because product is soluble in water it could raise the pH if washed into watercourses. In the event of large spillage, advise appropriate authority.

NOTE: Ammonium salts and phosphates act as plant nutrients.

---

### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal</b>	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
-----------------------	--

PRODUCT NAME

## ABC 48 & ABC 70, DRYPOWDER

---

### 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](http://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/m<sup>3</sup> - 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. TWA/ES - 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 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 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.

**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.

Date of Preparation: 31 August 2008