



## Safety Data Sheet

This safety data sheet complies with the requirements of: WHS regulation 2011

**Product name** FORAY® ABC Multi-Purpose Dry Chemical

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product Identifier

**Product name** FORAY® ABC Multi-Purpose Dry Chemical  
**Product code** 053080

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Sold to the general public** No  
**Recommended use** Fire extinguishing agent  
**Uses advised against** Consumer use

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Tyco Fire Protection Products  
Level 3, 95 Coventry Street,  
Southbank, Australia-Victoria 3006  
+613 9313 9711

For further information, please contact

**E-mail address** psra@tycofp.com

#### 1.4. Emergency telephone number

Emergency Telephone Number 612 9037 2994 ( Australia)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

#### 2.2. Label Elements

##### Product Identifier

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

##### Signal Word

None

EUH210 - Safety data sheet available on request

#### 2.3. Other Hazards

No information available

### SECTION 3: Composition/information on ingredients

#### 3.1 Mixtures

Chemical name	CAS No	weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
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Calcium carbonate	471-34-1	<10%	no data available
Silicic Acid/silica gel, Amorphous	7631-86-9	< 1%	no data available
Magnesium carbonate	546-93-0	< 0.1%	no data available
Yellow Pigment	20344-49-4	< 0.1%	no data available
Quartz	14808-60-7	< 0.1%	not classified

Full text of H- and EUH-phrases: see section 16

## Section 4: First aid measures

### 4.1. Description of first aid measures

#### **Inhalation**

If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.

#### **Skin contact**

Wash skin with soap and water. Get medical attention if irritation develops and persists.

#### **Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

#### **Ingestion**

If swallowed. Call a POISON CENTRE or doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

#### **Symptoms**

None known.

### 4.3. Indication of any immediate medical attention and special treatment needed

#### **Note to doctors**

Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

#### **Suitable Extinguishing Media**

Product is extinguishing agent. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable Extinguishing Media**

None

### 5.2. Special hazards arising from the substance or mixture

None in particular

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal Precautions**

Provide adequate ventilation. Avoid creating dust. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### **For emergency responders**

Use personal protection recommended in Section 8.



## 6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

## 6.3. Methods and material for containment and cleaning up

### Methods for Containment

Stop leak if you can do it without risk. If sweeping of a contaminated area is necessary use a dust suppressing agent which does not react with product. Dyke far ahead of spill; use dry sand to contain the flow of material. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

### Methods for Cleaning Up

Following product recovery, flush area with water.

## 6.4. Reference to other sections

See section 13 for more information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid generation of dust. Do not breathe dust/fume/gas/mist/vapours/spray. Use with local exhaust ventilation. Use personal protective equipment as required. Wash thoroughly after handling.

#### General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Guard against dust accumulation of material. Use care in handling/storage.

### 7.3. Specific end use(s)

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

Chemical name	Australia
Calcium carbonate 471-34-1	10 mg/m <sup>3</sup>
Silicic Acid/silica gel, Amorphous 7631-86-9	2 mg/m <sup>3</sup>
Magnesium carbonate 546-93-0	10 mg/m <sup>3</sup>
Yellow Pigment 20344-49-4	1 mg/m <sup>3</sup>



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Quartz 14808-60-7	0.1 mg/m <sup>3</sup>
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Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

### 8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

#### Personal Protective Equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Suitable protective clothing.

Environmental exposure controls No information available.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State	powder	Colour	Yellow
Odour	odourless		
odour threshold	No data available		

<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
pH		No data available
Melting point/freezing point		No data available
Boiling point / boiling range		No data available
Flash Point		No data available
Evaporation Rate		No data available
flammability (solid, gas)		No data available
Flammability limit in air		
Upper flammability limit:		No data available
Lower flammability limit:		No data available
Vapour Pressure		No data available
Vapour Density		No data available
Specific gravity		No data available
Water Solubility		No data available
solubility(ies)		No data available
Partition coefficient		No data available
Autoignition Temperature		No data available
Decomposition Temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Explosive Properties	No data available	
Oxidising Properties	No data available	

## Section 10: Stability and reactivity



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#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions **hazardous polymerisation**

Hazardous polymerisation does not occur.

#### **Possibility of hazardous reactions**

None under normal processing.

#### 10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

#### 10.5. Incompatible materials

Strong acids.

#### 10.6. Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute Toxicity

#### Product information

#### **INHALATION**

May cause irritation of respiratory tract.

#### **Eye Contact**

May cause irritation.

#### **Skin contact**

May cause irritation.

#### **INGESTION**

Ingestion may cause irritation to mucous membranes.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 16,260.00 mg/kg

ATEmix (dermal) 9,941.76 mg/kg

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Ammonium dihydrogen phosphate	= 5750 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	
Ammonium sulfate, technical	= 2000 mg/kg ( Rat )		
Calcium carbonate	= 6450 mg/kg ( Rat )		
Silicic Acid/silica gel, Amorphous	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.2 mg/L ( Rat ) 1 h
Yellow Pigment	> 10000 mg/kg ( Rat )		
Quartz	-		

#### **Skin Corrosion/Irritation**

No information available.

#### **Serious eye damage/eye irritation**

No information available.

#### **sensitisation**

No information available.



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**Germ Cell Mutagenicity** No information available.  
**carcinogenicity** No information available.  
**Reproductive Toxicity** No information available.  
**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.  
**Aspiration Hazard** No information available.

## Section 12: Ecological information

### 12.1. Toxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Silicic Acid/silica gel, Amorphous	EC50 72 h = 440 mg/L Pseudokirchneriella subcapitata	LC50 96 h = 5000 mg/L Brachydanio rerio static	EC50 48 h = 7600 mg/L Ceriodaphnia dubia

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste from Residues/Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Do not re-use container.

## Section 14: Transport information

**Note:** No information available

**IMDG**



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14.1 UN/ID no NOT REGULATED  
14.2 Proper Shipping Name NOT REGULATED  
14.3 Hazard class NOT REGULATED  
14.4 Packing group NOT REGULATED  
14.5 Marine Pollutant Not Applicable  
14.6 Special Provisions None  
14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE No information available

#### RID

14.1 UN/ID no NOT REGULATED  
14.2 Proper Shipping Name NOT REGULATED  
14.3 Hazard class NOT REGULATED  
14.4 Packing group NOT REGULATED  
14.5 Environmental Hazard Not Applicable  
14.6 Special Provisions None

#### ADR

14.1 UN/ID no NOT REGULATED  
14.2 Proper Shipping Name NOT REGULATED  
14.3 Hazard class NOT REGULATED  
14.4 Packing group NOT REGULATED  
14.5 Environmental Hazard Not Applicable  
14.6 Special Provisions None

#### ICAO (air)

14.1 UN/ID no NOT REGULATED  
14.2 Proper Shipping Name NOT REGULATED  
14.3 Hazard class NOT REGULATED  
14.4 Packing group NOT REGULATED  
14.5 Environmental Hazard Not Applicable  
14.6 Special Provisions None

#### IATA

14.1 UN/ID no NOT REGULATED  
14.2 Proper Shipping Name NOT REGULATED  
14.3 Hazard class NOT REGULATED  
14.4 Packing group NOT REGULATED  
14.5 Environmental Hazard Not Applicable  
14.6 Special Provisions None

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National Regulations

##### **Australia**

See section 8 for national exposure control parameters

carcinogenicity

#### International Inventories



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TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Does not comply
PICCS	Complies
AICS	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

No information available

**SECTION 16: Other information**

Revision date 16-Nov-2016

Revision note Not Applicable.

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End of Safety Data Sheet