



## Safety Data Sheet

This safety data sheet complies with the requirements of: 2012 OSHA Hazard Communication Standard (29CFR 1910.1200)

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

### 1. Identification

#### 1.1. Product Identifier

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

#### 1.2. Other means of identification

**Product code** 009361  
**Synonyms** None  
**Chemical Family** No information available

#### 1.3. Recommended use of the chemical and restrictions on use

**Recommended use** Fire extinguishing agent.  
**Uses advised against** Consumer use.

#### 1.4. Details of the Supplier of the Safety Data Sheet

**Company Name** Tyco Fire Protection Products  
One Stanton Street  
Marinette, WI 54143-2542  
Telephone: 715-735-7411  
**Contact point** Product Stewardship at 1-715-735-7411  
**E-mail address** psra@tycofp.com

#### 1.5. Emergency Telephone Number

**Emergency telephone** CHEMTREC 001-800-424-9300 or 001-703-527-3887

### 2. Hazards Identification

#### Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

#### 2.2. Label Elements

**Signal Word**  
None

#### Hazard Statements

The product contains no substances which at their given concentration, are considered to be hazardous to health

#### Precautionary Statements

#### 2.3. Hazards Not Otherwise Classified (HNOC)

Not Applicable.

#### 2.4. Other Information



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### 3. Composition/information on Ingredients

#### 3.1. Mixture

The following component(s) in this product are considered hazardous under applicable OSHA(USA)

Chemical name	CAS No.	weight-%
Attapulgite	12174-11-7	1 - 5
Calcium carbonate	471-34-1	1 - 5

### 4. First aid measures

#### 4.1. Description of first aid measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin contact</b>	Wash skin with soap and water. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
<b>Ingestion</b>	If swallowed. Call a POISON CENTER 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 physicians** Treat symptomatically.

### 5. Fire-fighting measures

#### 5.1. Suitable Extinguishing Media

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

#### 5.2. Unsuitable Extinguishing Media

None.

#### 5.3. Specific Hazards Arising from the Chemical

None in particular.

#### 5.4. Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### 5.5. Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 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/vapors/spray.
- For emergency responders** Use personal protection recommended in Section 8.

**6.2. Environmental Precautions**

- 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. Dike 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.

**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/vapors/spray. Use with local exhaust ventilation. Use personal protective equipment as required. Wash thoroughly after handling.

**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.
- Incompatible Materials** Strong acids.

**8. Exposure Controls/Personal Protection**

**8.1. Control Parameters**

**Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL
Attapulgite 12174-11-7	TWA: 1 mg/m <sup>3</sup> respirable particulate matter	-	-	-
Calcium carbonate 471-34-1	-	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	-

ACGIH (American Conference of Governmental Industrial Hygienists). OSHA (Occupational Safety and Health Administration of the US Department of Labor). NIOSH IDLH: Immediately Dangerous to Life or Health

**8.2. Appropriate Engineering Controls**

- Engineering controls** Ensure adequate ventilation, especially in confined areas.



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### **8.3. Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Avoid contact with eyes. Tight sealing safety goggles.
<b>Skin and Body Protection</b>	No special precautions are needed in handling this material.
<b>Respiratory Protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Ventilation</b>	Use local exhaust or general dilution ventilation to control exposure with applicable limits

### **8.4. General hygiene considerations**

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

## **9. Physical and Chemical Properties**

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

<b>Physical State</b>	powder	<b>Color</b>	Yellow
<b>Odor</b>	odorless		
<b>Odor Threshold</b>	No data available		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	No data available	
<b>Melting point/freezing point</b>	No data available	
<b>Boiling point / boiling range</b>	No data available	
<b>Flash Point</b>	No data available	
<b>Evaporation Rate</b>	No data available	
<b>Flammability (solid, gas)</b>	No data available	
<b>Flammability limit in air</b>		
<b>Upper flammability limit:</b>	No data available	
<b>Lower flammability limit:</b>	No data available	
<b>Vapor Pressure</b>	No data available	
<b>Vapor Density</b>	No data available	
<b>Specific gravity</b>	No data available	
<b>Water Solubility</b>	No data available	
<b>Solubility in Other Solvents</b>	No data available	
<b>Partition coefficient</b>	No data available	
<b>Autoignition Temperature</b>	No data available	
<b>Decomposition Temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	

## **10. Stability and Reactivity**

### **10.1. Chemical Stability**

Stable under recommended storage conditions.

### **10.2. Reactivity**

No data available

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

None under normal processing.



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**Hazardous Polymerization** Hazardous polymerization does not occur.

**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).

**11. Toxicological Information**

**11.1. Information on Likely Routes of Exposure**

**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.

**Component Information**

**Acute Toxicity**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium carbonate 471-34-1	= 6450 mg/kg ( Rat )	-	-

**11.2. Information on Toxicological Effects**

**Symptoms** No information available.

**11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Attapulgite (palygorskite fibers) is a hydrated magnesium aluminum silicate. Long palygorskite (attapulgite) fibers (>5 micrometers) are possibly carcinogenic to humans (Group 2B). Short palygorskite (attapulgite) fibers (<5 micrometers) cannot be classified as to their carcinogenicity to humans (Group 3). The attapulgite present in this product contains fibers 0.5-2.5 um range, so would be considered by IARC as Group 3. This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product.

Chemical name	ACGIH	IARC	NTP	OSHA
Attapulgite 12174-11-7	-	Group 3	-	X

*IARC (International Agency for Research on Cancer)  
Group 3 - Not Classifiable as to Carcinogenicity in Humans  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present*

- Reproductive Toxicity** No information available.
- STOT - Single Exposure** No information available.
- STOT - Repeated Exposure** No information available.



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Target organ effects Eyes, Respiratory System, Skin.  
Aspiration Hazard No information available.

#### 11.4. Numerical Measures of Toxicity - Product information

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

ATEmix (dermal) 8156 mg/kg

### 12. Ecological Information

#### 12.1. Ecotoxicity

Not classified.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Ammonium sulfate, technical 7783-20-2	-	LC50 96 h 460 - 1000 mg/L Leuciscus idus static; LC50 96 h 123 - 128 mg/L Poecilia reticulata semi-static; LC50 96 h = 126 mg/L Poecilia reticulata; LC50 96 h > 100 mg/L Pimephales promelas; LC50 96 h 32.2 - 41.9 mg/L Oncorhynchus mykiss flow-through; LC50 96 h 5.2 - 8.2 mg/L Oncorhynchus mykiss static; LC50 96 h = 18 mg/L Cyprinus carpio; LC50 96 h = 480 mg/L Brachydanio rerio flow-through; LC50 96 h = 420 mg/L Brachydanio rerio semi-static; LC50 96 h = 250 mg/L Brachydanio rerio	LC50 48 h = 14 mg/L Daphnia magna; EC50 24 h = 423 mg/L Daphnia magna
Silicic Acid/silica gel, Amorphous 7631-86-9	EC50 (72h) = 440 mg/L Pseudokirchneriella subcapitata	LC50 (96h) static = 5000 mg/L Brachydanio rerio	EC50 (48h) = 7600 mg/L Ceriodaphnia dubia

#### 12.2. Persistence and Degradability

No information available.

#### 12.3. Bioaccumulation

No information available.

#### 12.4. Other Adverse Effects

No information available

### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

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

Contaminated Packaging Do not reuse container.

### 14. Transport Information



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**DOT** NOT REGULATED  
**TDG** NOT REGULATED  
**MEX** NOT REGULATED  
**ICAO (air)** NOT REGULATED  
**IATA** NOT REGULATED  
**IMDG** NOT REGULATED

## 15. Regulatory Information

### 15.1. International Inventories

**TSCA** Complies  
**DSL/NDSL** 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  
**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. US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Ammonium dihydrogen phosphate - 7722-76-1	1.0
Ammonium sulfate, technical - 7783-20-2	1.0

#### **SARA 311/312 Hazard Categories**

**Acute Health Hazard** No  
**Chronic health hazard** No  
**Fire Hazard** No  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**



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This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**15.3. US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Attapulgite - 12174-11-7	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Silicic Acid/silica gel, Amorphous 7631-86-9	-	X	X
Magnesium carbonate 546-93-0	X	X	-

**16. Other information, including date of preparation of the last revision**

<b>NFPA</b>	Health Hazards 0	Flammability 0	Instability 0	Physical and chemical properties -
<b>HMIS</b>	Health Hazards 0	Flammability 0	Physical Hazards 0	Personal Protection X

Revision date 12-Feb-2019

Revision note No information available.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet