



## Safety Data Sheet

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

**Product name** ANSUL ABC Multipurpose Dry Chemical Agent - Stored Pressure System

### 1. Identification

#### 1.1. Product Identifier

**Product name** ANSUL ABC Multipurpose Dry Chemical Agent - Stored Pressure System

#### 1.2. Other means of identification

**Product code** 435028  
**UN/ID no** UN1044  
**Synonyms** None  
**Chemical Family** No information available

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

**Recommended use** No information available.  
**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 chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Simple asphyxiants  
Gases Under Pressure - Compressed Gas

#### 2.2. Label Elements

##### Signal Word

WARNING

##### Hazard Statements

May displace oxygen and cause rapid suffocation  
Contains gas under pressure; may explode if heated





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## Precautionary Statements

### Storage

Protect from sunlight. Store in a well-ventilated place.

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

Not Applicable.

### 2.4. Other Information

Unknown Acute Toxicity 99.13456% of the mixture consists of ingredient(s) of unknown toxicity

## 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-%
Mica	12001-26-2	1 - 5
Calcium carbonate	471-34-1	1 - 5
Attapulgate	12174-11-7	1 - 5
Silicic Acid/silica gel, Amorphous	7631-86-9	1 - 5

## 4. First aid measures

### 4.1. Description of first aid measures

General Advice	Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.
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.
Skin contact	In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
Inhalation	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.
Ingestion	If swallowed: Call a POISON CENTER or doctor/physician if you feel unwell.
Self-Protection of the First Aider	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

### 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 Keep victim warm and quiet.

## 5. Fire-fighting measures



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#### **5.1. Suitable Extinguishing Media**

Use extinguishing agent suitable for type of surrounding fire. Dry chemical or CO2. Water spray, fog or regular foam.

#### **5.2. Unsuitable Extinguishing Media**

None.

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

Ruptured cylinders may rocket. Some may burn but none ignite readily.

#### **5.4. Explosion Data**

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

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

Move containers from fire area if you can do it without risk. Damaged cylinders should be handled only by specialists.

### **6. Accidental release measures**

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

**Personal Precautions** Do not touch or walk through spilled material. Stop leak if you can do it without risk.

**OTHER INFORMATION** Ventilate the area.

**For emergency responders** Use personal protection recommended in Section 8.

#### **6.2. Environmental Precautions**

**Environmental Precautions** Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material. Prevent entry into waterways, sewers, basements or confined areas.

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

**Methods for Containment** If possible, turn leaking containers so that gas escapes rather than liquid. Allow substance to evaporate.

**Methods for Cleaning Up** Do not direct water at spill or source of leak.

### **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.

Do not drag, slide or roll extinguishers. Do not drop extinguishers or permit them to strike against each other.



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## 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. Pressurized extinguishers should be properly stored and secured to prevent falling or being knocked over.

### 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
Mica 12001-26-2	TWA: 3 mg/m <sup>3</sup> respirable particulate matter	TWA: 20 mppcf <1% Crystalline silica	IDLH: 1500 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup> containing <1% Quartz respirable dust	TWA 3 mg/m <sup>3</sup> (VLE-PPT)
Calcium carbonate 471-34-1	-	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust	-
Attapulgite 12174-11-7	TWA: 1 mg/m <sup>3</sup> respirable particulate matter	-	-	-
Silicic Acid/silica gel, Amorphous 7631-86-9	-	TWA: 20 mppcf : (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup> TWA	IDLH: 3000 mg/m <sup>3</sup> TWA: 6 mg/m <sup>3</sup>	-

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.

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

#### Eye/Face Protection

Avoid contact with eyes. Tight sealing safety goggles.

#### Skin and Body Protection

No special precautions are needed in handling this material.

#### Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Ventilation

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

Physical State	powder	Color	Yellow
Odor	odorless		
Odor Threshold	No data available		



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<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	
Vapor Pressure	No data available	
Vapor Density	No data available	
Specific gravity	No data available	
Water Solubility	No data available	
Solubility in Other Solvents	No data available	
Partition coefficient	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Kinematic viscosity	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

Hazardous polymerization does not occur.

#### Hazardous Polymerization

Hazardous polymerization does not occur.

### 10.4. Conditions to Avoid

None known based on information supplied.

### 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.



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**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 )	-	-
Silicic Acid/silica gel, Amorphous 7631-86-9	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 2.2 mg/L ( Rat ) 1 h

#### 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

**Skin Corrosion/Irritation** No information available.  
**Serious eye damage/eye irritation** No information available.  
**Sensitization** No information available.  
**Germ Cell Mutagenicity** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Attapulgate 12174-11-7	-	Group 3	-	X
Silicic Acid/silica gel, Amorphous 7631-86-9	-	Group 3	-	-

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Not classifiable as a human carcinogen

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

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.  
**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) 8222 mg/kg

### 12. Ecological Information

#### 12.1. Ecotoxicity

Not classified.



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0.03956% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
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**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

##### **Contaminated Packaging**

Do not reuse container. Pressurized container: Do not pierce or burn, even after use.

### **14. Transport Information**

#### **DOT**

UN/ID no	UN1044
Proper Shipping Name	Fire extinguishers
Description	UN1044, Fire extinguishers, 2.2
Hazard class	2.2
Special Provisions	18, 110
Emergency Response Guide Number	126

#### **TDG**

UN/ID no	UN1044
Description	UN1044, Fire extinguishers, 2.2
Proper Shipping Name	Fire extinguishers
Hazard class	2.2

#### **MEX**

UN/ID no	UN1044
Description	UN1044, Fire extinguishers, 2.2
Proper Shipping Name	Fire extinguishers
Hazard class	2.2



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**ICAO (air)**

UN/ID no	UN1044
Description	UN1044, Fire extinguishers, 2.2
Proper Shipping Name	Fire extinguishers
Hazard class	2.2
Special Provisions	A19

**IATA**

UN/ID no	UN1044
Description	UN1044, Fire extinguishers, 2.2
Proper Shipping Name	Fire extinguishers
Proper Shipping Name	Fire extinguishers
Hazard class	2.2
ERG Code	2L
Special Provisions	A19

**IMDG**

UN/ID no	UN1044
Description	UN1044, Fire extinguishers, 2.2
Proper Shipping Name	Fire extinguishers
Proper Shipping Name	Fire extinguishers
Hazard class	2.2
EmS-No	F-C, S-V
Special Provisions	225

## 15. Regulatory Information

### 15.1. International Inventories

TSCA	Complies
DSL/NDL	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/NDL - 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

**SARA 311/312 Hazard Categories**





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

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
Attapulgit - 12174-11-7	Carcinogen
Quartz - 14808-60-7	Carcinogen

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

Chemical name	New Jersey	Massachusetts	Pennsylvania
Mica 12001-26-2	X	X	X
Silicic Acid/silica gel, Amorphous 7631-86-9	-	X	X
Quartz 14808-60-7	X	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 3	Personal Protection X

Revision date 15-Jan-2018

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.



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**End of Safety Data Sheet**