

Safety Data Sheet

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

Product name PYRO-CHEM ABC Multipurpose Dry Chemical Stored Pressure Extinguisher

1. Identification

1.1. Product Identifier

Product name PYRO-CHEM ABC Multipurpose Dry Chemical Stored Pressure Extinguisher

1.2. Other means of identification

Product code 074011
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 800-424-9300 or 703-527-3887

2. Hazards Identification

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Gases Under Pressure - Compressed Gas

2.2. Label Elements

Signal Word
WARNING

hazard statements

Contains gas under pressure; may explode if heated



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 5.6208% 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-% |
|-----------------------------|------------|----------|
| Ammonium sulfate, technical | 7783-20-2 | 7 - 13 |
| Attapulgate | 12174-11-7 | 1 - 5 |
| Calcium carbonate | 471-34-1 | 1 - 5 |

4. First aid measures

4.1. Description of first aid measures

| | |
|---------------------|--|
| 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 | Wash skin with soap and water. Get medical attention if irritation develops and persists. |
| Inhalation | If experiencing respiratory symptoms: Call a POISON CENTER or doctor. |
| Ingestion | 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

Product is extinguishing agent. 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

Containers may explode when heated. Ruptured cylinders may rocket.

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 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.

Methods for Cleaning Up Clean up material with vacuum equipped with HEPA filter. Use water as dust suppressant if necessary. 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.

Do not drag, slide or roll extinguishers. Do not drop extinguishers or permit them to strike against each other. Refer to NFPA-10 Standard for Portable Fire Extinguishers and OSHA 1910.157 Portable Extinguishers regarding requirements for inspection, maintenance and training.

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 |
|-------------------------------|--|----------|--|
| Attapulgit 12174-11-7 | TWA: 1 mg/m ³ respirable fraction | - | - |
| Calcium carbonate 471-34-1 | - | - | TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ 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 Showers
Eyewash stations
Ventilation systems.

8.3. Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or 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 | | |

| <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 | No data available | |

| | |
|------------------------------|-------------------|
| 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.

Eye Contact May cause irritation.

Skin contact May cause irritation.

INGESTION

Ingestion may cause irritation to mucous membranes.

Acute Toxicity

| Chemical name | Oral LD50 | dermal LD50 | Inhalation LC50 |
|--|----------------------|-------------|-----------------|
| Ammonium sulfate, technical 7783-20-2 | = 2000 mg/kg (Rat) | - | - |
| 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

sensitization No information available.

Germ Cell Mutagenicity No information available

carcinogenicity Attapulgit (palygorskite fibers) is a hydrated magnesium aluminum silicate. Long palygorskite (attapulgit) fibers (>5 micrometers) are possibly carcinogenic to humans (Group 2B). Short palygorskite (attapulgit) fibers (<5 micrometers) cannot be classified as to their carcinogenicity to humans (Group 3). The attapulgit present in this product contains fibers 0.5-2.5 um range, so would be considered by IARC as Group 3.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|---------|-----|------|
| Attapulgit 12174-11-7 | - | Group 3 | - | - |

*IARC (International Agency for Research on Cancer)
Not classifiable as a human carcinogen*

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 (oral) 16260 mg/kg

ATEmix (dermal) 9942 mg/kg

12. Ecological Information

12.1. ecotoxicity

Not classified

0.03348% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| 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 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. Bioaccumulation

No information available.

| Chemical name | Partition coefficient |
|--|-----------------------|
| Ammonium sulfate, technical 7783-20-2 | -5.1 |

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 |
| Description | UN1044, Fire extinguishers, 2.2 |
| Proper Shipping Name | Fire extinguishers |

| | |
|---------------------------------|---------|
| 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 |

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 |
| 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 |
| Hazard class | 2.2 |
| EmS-No | F-C, S-V |
| Special Provisions | 225 |

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/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 |
| 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 | 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

Classification only applies to Attapulgit with fibers >5 um. This product contains Attapulgit with fibers <5 um.

| Chemical name | California Proposition 65 |
|-------------------------|---------------------------|
| Attapulgit - 12174-11-7 | Carcinogen |
| Quartz - 14808-60-7 | Carcinogen |

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Silicic Acid/silica gel, Amorphous 7631-86-9 | X | X | X |
| Magnesium carbonate 546-93-0 | X | X | - |
| Quartz 14808-60-7 | X | X | X |

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



Product code 074011

/ Product name PYRO-CHEM /
ABC Multipurpose Dry Chemical
Stored Pressure Extinguisher

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| | | | | |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <u>NFPA</u> | Health Hazards 0 | flammability 0 | Instability 0 | Physical and chemical properties - |
| <u>HMIS</u> | Health Hazards 0 | flammability 0 | Physical Hazards 3 | Personal Protection X |

Revision date 25-May-2015

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