



## Safety Data Sheet

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

**Product name** LITH-X® Dry Powder

### 1. Identification

#### 1.1. Product Identifier

**Product name** LITH-X® Dry Powder

#### 1.2. Other means of identification

**Product code** 009345

**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 800-424-9300 or 703-527-3887

### 2. Hazards Identification

#### Classification

##### OSHA Regulatory Status

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

#### 2.2. Label Elements

##### hazard statements

Non-hazardous

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

#### Precautionary Statements

##### Prevention

None.

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

Not Applicable.

#### 2.4. OTHER INFORMATION



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Unknown Acute Toxicity

0% 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-%
Graphite	7782-42-5	60 - 100
Attapulgate	12174-11-7	3 - 7
Magnesium stearate	557-04-0	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

None in particular.

#### 5.4. Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.



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### 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.

**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.

**Methods for Cleaning Up** Clean up material with vacuum equipped with HEPA filter. 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. 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. 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
Graphite 7782-42-5	TWA: 2 mg/m <sup>3</sup> respirable fraction all forms except graphite fibers	TWA: 15 mppcf natural	IDLH: 1250 mg/m <sup>3</sup> TWA: 2.5 mg/m <sup>3</sup> natural respirable dust
Attapulgit 12174-11-7	TWA: 1 mg/m <sup>3</sup> respirable fraction	-	-
Magnesium stearate 557-04-0	TWA: 10 mg/m <sup>3</sup> except stearates of toxic metals	-	-

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



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**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**

<b>Physical State</b>	powder	<b>Color</b>	Black
<b>Odor</b>	None		
<b>odor threshold</b>	No data available		
<b>Property</b>	<b>VALUES</b>	<b>Remarks • Method</b>	
<b>pH</b>	No data available		
<b>Melting point/freezing point</b>	No data available		
<b>Boiling point / boiling range</b>	> 35 °C / 95 °F		
<b>Flash Point</b>	> 100 °C / > 212 °F		
<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**



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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.

## 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

### 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.



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**STOT - Repeated Exposure** No information available.  
**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) >5000 mg/kg

**12. Ecological Information**

**12.1. ecotoxicity**

Not classified

8.8% of the mixture consists of component(s) of unknown hazards to the aquatic environment

**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.

**14. Transport Information**

**DOT** NOT REGULATED

**TDG** NOT REGULATED

**MEX** NOT REGULATED



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## 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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### 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

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 Attapulgite with fibers >5 um. This product contains Attapulgite with fibers <5 um.

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

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

Chemical name	New Jersey	Massachusetts	Pennsylvania
Graphite 7782-42-5	X	X	X



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

<u>NFPA</u>	Health Hazards 0	flammability 0	Instability 0	Physical and chemical properties -
<u>HMIS</u>	Health Hazards 0	flammability 0	Physical Hazards 0	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