

**I. Identification of the Substance / Preparation and of the Company**

**I.1** Trade Name: LITH-X Dry Powder Extinguishing Agent  
**I.2** Manufacturer/Supplier: ANSUL INCORPORATED  
 Address: One Stanton Street, Marinette, WI 54143-2542  
 Prepared by: Safety and Health Department  
 Phone:  
 Fax:  
 Internet/Home Page Address: <http://www.ansul.com>  
**I.3** Emergency Phone Number: CHEMTREC 800-424-9300 OR (703) 527-3887  
**I.4** Date Prepared:

**II. Composition / Information on Ingredients**

**II.1** Chemical Formula: N/A CAS No: N/A  
 Chemical Name: N/A This is a Mixture Chemical Family: Mixture  
**II.2** Substances with Exposure Limits:

| Component(s) [chemical and common name(s)]      | WI.%  | CAS No.   | ACGIH TLV            | Acute Toxicity Data |
|---|-------|-----------|----------------------|---------------------|
| Graphite  | 93    | 7782-42-5 | 5 mg/M <sup>3</sup>  | NDA                 |
| Magnesium Aluminium Silicate (Attapulgite Clay) | 4 - 6 | 8031-18-3 | 10 mg/M <sup>3</sup> | NDA                 |
| Magnesium Stearate                              | 1 - 3 | 557-04-0  |                      | Not established     |

**III. Hazards Identification**

**III.1** For Humans:  
 Threshold Limit Value OSHA nuisance dust limit of 15mg/M<sup>3</sup> or ACGIH nuisance dust value of 10mg/M<sup>3</sup> for the eight-hour time-weighted average.  
 Routes of Entry:  
 Eye Contact: Mildly irritating for short period of time.  
 Skin Contact: May be mildly irritating.  
 Inhalation: Usual route of entry. Causes irritation of the upper respiratory tract. Possible allergenic.  
 Ingestion: Not an expected route of entry with normal use.  
 Signs and Symptoms: Acute overexposure: Transient cough, shortness of breath. Possibly bronchitis.  
 Chronic overexposure: Causes of pulmonary fibrosis, emphysema and cor pulmonale have resulted from prolonged inhalation of graphite dust.  
 Medication conditions generally aggravated by exposure: Reactive airway, chronic obstructive pulmonary disease (COPD).  
 Chemical Listed as National Toxicology Program:  Yes  No I.A.R.C. Monographs:  Yes  No OSHA:  Yes  No  
**III.2** Carcinogen or Potential:  Yes  No  Yes  No  Yes  No  
 For Environment:

**IV. First Aid Measures**

**IV.1** Inhalation: Remove victim to fresh air. Seek medical attention if discomfort continues.  
**IV.2** Eye Contact: Flush with large amounts of water; if irritation persists, seek medical attention.  
**IV.3** Skin Contact: Wash with soap and water. If irritation persists, seek medical attention.  
**IV.4** Ingestion: If patient is conscious, give large amounts of water and induce vomiting. Seek medical help.

**V. Fire-Fighting Measures**

Special Fire Fighting Procedures: NONE - THIS IS AN EXTINGUISHING AGENT  
 Unusual Fire and Explosion Hazards: None

**VI. Accidental Release Measures**

- VI.1** Personal Precautions:  
 Protective Gloves: N/A  
 Eye Protection: Recommended as mechanical barrier for prolonged exposure.  
 Other Protective Clothing or Equipment: If irritation occurs, long sleeves and impervious gloves should be worn.
- VI.2** Environmental Precautions:  
 Steps to be taken in case material is released or spilled: Sweep up.
- VI.3** Clean-up Methods:  
 Waste Disposal Methods: Dispose of in compliance with local, state or federal regulations.

**VII. Storage and Handling**

- VII.1** Precautions to be taken in Handling and Storage: Store in original container or Ansul fire extinguisher.
- VII.2** Other Precautions: Do not mix agents. Note incompatibility in Section X.

**VIII. Exposure Controls / Personal Protection**

- VIII.1** Breath Protection:  
 Respiratory Protection: Dust mask where dustiness is prevalent or TLV exceeded. Mechanical filter respirator if exposure is prolonged.  
 (Specify type)  
 Ventilation: Local Exhaust: Discretionary Mechanical (General): Recommended
- VIII.2** Hand Protection:  
 Protective Gloves: N/A
- VIII.3** Eye Protection: Recommended as mechanical barrier for prolonged exposure.
- VIII.4** Body Protection:  
 Other protective clothing or equipment: If irritation occurs, long sleeves and impervious gloves should be worn.

**IX. Physical and Chemical Properties**

|                           |   |  |            |
|---------------------------|---|--|------------|
| Appearance and Odour:     | Black coloured powder, no characteristic odour. |  |            |
| Boiling Point:            | N/A   | Specific Gravity (H <sub>2</sub> O = 1): | N/A        |
| Vapour Pressure (mm Hg):  | N/A   | Percent Volatile by Volume (%):          | N/A        |
| Vapour Density (Air = 1): | N/A   | Evaporation Rate ( = 1):                 | N/A        |
| Solubility in Water:      | Slight  | Reactivity in Water:                     | Unreactive |
| Flash Point:              | None  | Flammable Limits in Air% by vol:         | N/A        |
| Extinguisher Media:       | N/A   | Auto-Ignition Temperature:               | N/A        |

**X. Stability and Reactivity**

- X.1** Conditions to avoid: Stability: Unstable  Conditions to avoid: N/A  
 Stable
- Hazardous Polymerisation: May occur  Conditions to avoid: N/A  
 Will not occur

- X.2** Materials to avoid:
- X.3** Incompatibility (materials to avoid): ClF<sub>3</sub>, F<sub>2</sub>, K<sub>2</sub>O  
 Hazardous decomposition products: Unknown

**XI. Toxicological Information**

- XI.1** Toxicological Information: This product has not been tested for toxicological effect. Product is treated as a nuisance dust.

**XII. Ecological Information**

- XII.1** Degradability: Not tested
- XII.2** Environmental Impact Rating: Not tested
- XII.3** Acute Aquatic Toxicity: Not determined
- XII.4** Other indications:

**XIII. Disposal Considerations**

**XIII.1** Product: Dispose of in accordance with local regulations.

**XIV. Transport Information**

**XIV.1** Country Transport: No unusual transportation requirements are known to exist for this product.

**XIV.2** Inland Navigation: No unusual transportation requirements are known to exist for this product.

**XIV.3** Maritime Shipping: No unusual transportation requirements are known to exist for this product.

**XIV.4** Aviation: No unusual transportation requirements are known to exist for this product.

**XV. Regulatory Information**

**XV.1** EEC Labelling  
Symbols: This is not a regulated material.  
R-phrases: This is not a regulated material.  
S-phrases: This is not a regulated material.  
Other information:

**XVI. Other Information**

**XVI.1** Further information Contact Ansul Incorporated.