

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER			
Product Name	LITH-X	Other Names	None
Recommended Use	The intended or recommended use of this preparation is as a fire extinguishing agent.		
Supplier Name	Wormald	Address	Unit 1, 2-8 South Street Rydalmere, NSW 2116 AUSTRALIA
Telephone No.	133 166	Emergency Telephone No.	133 166 or 000
		Date Prepared	May 2008

SECTION 2: HAZARDS IDENTIFICATION			
Hazard Classification	Not hazardous		
Safety Phrase(s)	22, 26, 36	Risk Phrase(s)	36/37

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS			
SUBSTANCE			
Chemical Identity of the Pure Substance	Common Name / Synonyms	CAS Number	
Not applicable	Not applicable	Not applicable	
MIXTURE			
Chemical Identity of Ingredients	Proportion of Ingredients	CAS Number	
Graphite	93 %	7782-42-5	
Magnesium Aluminium Silicate	4-6 %	8031-18-3	
Magnesium Stearate	1-3 %	557-04-0	

SECTION 4: FIRST AID MEASURES			
Description of Necessary First Aid Measures	EYE CONTACT	Wash with water for a minimum of 15 minutes. If irritation persists seek medical attention.	
	SKIN CONTACT	Wash affected area with soap and water. If irritation persists seek medical attention.	
	INHALATION	Remove from exposure. If irritation persists seek medical attention.	
	INGESTION	Dilute by drinking large quantities of water.	
Medical Attention and Special Treatment	See above		
Aggravated Medical Conditions Caused by Exposure	Respiratory problems, chronic obstructive pulmonary disease (COPD).		

SECTION 5: FIRE FIGHTING MEASURES			
Suitable Extinguishing Media	This is an extinguishing agent	Hazards From Combustion Products	Combustion or decomposition products include carbon monoxide and carbon dioxide.
Special Protective Precautions and Equipment for Fire Fighters	None	Hazchem Code	Not hazardous

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Emergency Procedures	Prevent skin and eye contact.
Methods and Materials for Containment and Clean Up	Sweep up and reuse or place in a closed container for disposal. No harm to the environment is expected from an accidental release of this preparation.

SECTION 7: HANDLING AND STORAGE	
Precautions for Safe Handling	Care should be taken in handling all chemical substances and preparations.
Conditions for Safe Storage, Including any Incompatibilities	No special conditions are needed for safe storage. Store in original container. Keep tightly closed until used. There is minimal danger to the environment from a storage release.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards	SUBSTANCE	ES-TWA		ES-STEL	
		ppm	mg/m ³	ppm	mg/m ³
	Graphite	-	3	-	-
Engineering Controls	Not available	Biological Limit Controls		Not available	
Personal Protection Equipment	Chemical goggles and mechanical ventilation are recommended. A dust mask may also be used.				

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black powder	Odour	None
pH	Not applicable	Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable	Boiling Point / Range	Not applicable
Freezing / Melting Point (specify)	Not available	Solubility in Water	Not soluble
Specific Gravity or Density	Not applicable	Flash Point	None
Upper and Lower Flammable (explosive) Limits in Air	Not explosive	Ignition Temperature	Does not ignite

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability	Stable	Conditions to Avoid	None
Incompatible Materials	Chlorine trifluoride, fluorine, or potassium oxide.	Hazardous Decomposition Products	Combustion or decomposition products include carbon monoxide and carbon dioxide.
Hazardous Reactions	None		

SECTION 11: TOXICOLOGICAL INFORMATION

Health Effects From the Likely Routes of Exposure	EYE CONTACT	Mildly irritating for a short period of time.
	SKIN CONTACT	May be mildly irritating.
	INHALATION	Usual route of entry. Causes irritation of the upper respiratory tract. Possibly allergenic. Transient cough, shortness of breath. Possible bronchitis.
	INGESTION	Not an expected route of entry with normal use.
Acute Overexposure	See above	
Chronic Overexposure	Causes pulmonary fibrosis; emphysema and cor pulmonale have resulted from prolonged inhalation of graphite dust.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not determined		
Mobility	Not determined		
Persistence and Degradability	Not determined		
Bioaccumulative Potential	Not determined		
Environmental Fate (Exposure)	Ozone depletion potential:	None	
	Photochemical ozone creation potential:	None	
	Global warming potential:	None	

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers	No harm to the environment is expected from this preparation. Dispose of in compliance with local, state and Commonwealth regulations that may be in force.
Special Precautions for Landfill or Incineration	None

SECTION 14: TRANSPORT INFORMATION

UN Number	Not applicable	UN Proper Shipping Name	Not applicable
Class and Subsidiary Risk	Not applicable	Packing Group	Not applicable
Special Precautions for User	None	Hazchem Code	Not hazardous

SECTION 15: REGULATORY INFORMATION

The regulatory status of a material (including its ingredients) under relevant Australian health, safety and environmental legislation.

Not available

SECTION 16: OTHER INFORMATION

Date of Preparation

May 2008

END OF MSDS