

**SAFETY DATA SHEET**  
**Lithium Complex****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

PRODUCT NAME Lithium Complex  
APPLICATION Grease  
SUPPLIER Aztec Chemicals  
Gateway  
Crewe  
Cheshire  
CW1 6YY  
+ 44 (0) 1270 655500 (T)  
After hrs 0831300868  
+ 44 (0) 1270 655501 (F)

**2 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
Zinc dialkyldithiophosphate			1-5%	Xi;R36. N;R51/53.

The Full Text for all R-Phrases are Displayed in Section 16

**3 HAZARDS IDENTIFICATION**

Not regarded as a health or environmental hazard under current legislation.

**4 FIRST-AID MEASURES****INHALATION**

Not relevant.

**INGESTION**

Do not induce vomiting. Get medical attention.

**SKIN CONTACT**

Wash skin with soap and water. If grease has been pressure injected under the skin, seek medical advice immediately.

**EYE CONTACT**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

Use fire-extinguishing media appropriate for surrounding materials. This product is not flammable. Do not use water jet as an extinguisher, as this will spread the fire.

**SPECIFIC HAZARDS**

By fire, toxic gases may be formed (COx, NOx).

**PROTECTIVE MEASURES IN FIRE**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet. In case of spills, beware of slippery floors and surfaces.

**SPILL CLEAN UP METHODS**

Recover the product and place in a suitable container for reuse.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

When applying by grease gun, care must be taken not to inject this product under the skin.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a well-ventilated place. Store in closed original container at temperatures between 0°C and 40°C.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

## Lithium Complex

### ENGINEERING MEASURES

No particular ventilation requirements.

### RESPIRATORY EQUIPMENT

No specific recommendations.

### HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves.

### EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet.

### PERSONAL PROTECTION

When using do not smoke

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Grease		
COLOUR	Red		
ODOUR	Odourless		
SOLUBILITY	Insoluble in water		
MELTING POINT (°C)	150°C	BULK DENSITY	0.95 kg/l
FLASH POINT (°C)	>150°C PM Closed cup.		

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### MATERIALS TO AVOID

Strong oxidising substances.

### HAZARDOUS DECOMPOSITION PRODUCTS

By fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

## 11 TOXICOLOGICAL INFORMATION

### INHALATION

No specific health warnings noted.

### INGESTION

May cause discomfort if swallowed.

### SKIN CONTACT

Prolonged and frequent contact may cause redness and irritation.

### EYE CONTACT

May cause temporary eye irritation.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product is not expected to be hazardous to the environment.

### MOBILITY

The product is insoluble in water and will spread on the water surface.

### BIOACCUMULATION

The product is not bioaccumulating.

### DEGRADABILITY

The product is not expected to be biodegradable.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION

### GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

## 15 REGULATORY INFORMATION

## Lithium Complex

### RISK PHRASES

NC Not classified.

### SAFETY PHRASES

S2 Keep out of the reach of children

### UK REGULATORY REFERENCES

The Control of Substances Hazardous to Health Regulations 1988. Chemicals (Hazard Information & Packaging) Regulations.

### EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC. System of specific information relating to Dangerous Preparations. 2001/58/EEC.

### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

### APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

### GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

### NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

## 16 OTHER INFORMATION

SDS NO. 10741

### SAFETY DATA SHEET STATUS

Approved.

DATE 29.11.2005

### RISK PHRASES IN FULL

R36 Irritating to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### DISCLAIMER

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.