

SAFETY DATA SHEET

White Lithium Grease

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME White Lithium Grease

SUPPLIER Central Solutions (UK) Ltd
 Unit 59 Askern Industrial Estate
 Moss Road
 Askern
 Doncaster
 DN6 0DD
 07775 514 020
 01302 708 895

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ALIPHATIC HYDROCARBON	265-151-9	64741-84-0	10-30%	Xn;R65. F;R11. N;R51/53.
BUTANE	203-448-7	106-97-8	10-30%	F+;R12
ISOPARAFFINIC HYDROCARBONS	292-459-0	90622-57-4	5-10%	Xn;R65. R10,R53,R66.

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

3 HAZARDS IDENTIFICATION

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

PRESSURISED CONTAINER - increase in temperature to greater than 50C will cause internal pressure to rise potentially causing bursting/explosion.

CLASSIFICATION F+;R12. R52/53.

4 FIRST-AID MEASURES

INHALATION
 Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. For breathing difficulties oxygen may be necessary.

INGESTION
 Rinse mouth thoroughly. Provide rest, warmth and fresh air.

SKIN CONTACT
 Wash skin thoroughly with soap and water.

EYE CONTACT
 Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
 Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES
 Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

UNUSUAL FIRE & EXPLOSION HAZARDS
 Aerosol cans may explode in a fire.

6 ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS
 Any spillage needs to be contained and not allowed to enter water courses

SPILL CLEAN UP METHODS
 Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. If leakage cannot be stopped, evacuate area.

7 HANDLING AND STORAGE

White Lithium Grease

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

General workwear only

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA!

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol		
COLOUR	White		
ODOUR	Slight odour		
PHYSICAL DATA COMMENTS	Information given relates to total aerosol container contents.		
SOLUBILITY	Immiscible with water		
RELATIVE DENSITY	0.65 20	pH-VALUE, CONC. SOLUTION	N/A
VISCOSITY	Thick creamy consistency	FLASH POINT (°C)	- 74
AUTO IGNITION TEMPERATURE (°C)	+ 405	FLAMMABILITY LIMIT - LOWER(%)	1.8
FLAMMABILITY LIMIT - UPPER(%)	10.0		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions. Avoid: Shocks and physical damage.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

INHALATION

Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

INGESTION

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

White Lithium Grease

SKIN CONTACT

Skin irritation is not anticipated when used normally.

EYE CONTACT

May cause temporary eye irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS	2		
PROPER SHIPPING NAME	AEROSOLS, FLAMMABLE		
UN NO. ROAD	1950	ADR CLASS NO.	2
ADR CLASS	Class 2: Gases	UN NO. SEA	1950
IMDG CLASS	2.1	UN NO. AIR	1950
AIR CLASS	2.1		

15 REGULATORY INFORMATION

LABELLING



Extremely Flammable

RISK PHRASES

R12	Extremely flammable.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S16	Keep away from sources of ignition - No smoking.
S51	Use only in well-ventilated areas.
S23	Do not breathe vapour/spray.

STATUTORY INSTRUMENTS

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

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16 OTHER INFORMATION

GENERAL INFORMATION

The following risk phrases relate to the raw materials in the product and not the product itself:-

REVISION DATE 25/05/2006

REV. NO./REPL. SDS GENERATED 2

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RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.