

LUBYSIL BCN 40 STAINLESS & TITAN

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY UNDERTAKING

Name: Lubysil BCN 40

Intended Use: Extreme Pressure Lubricant Additive.

Supplier: John Clayden & Partners (Lubysil) Ltd.,
9, Frensham Road,
Sweet Briar Industrial Estate,
Norwich. NR3 2BT

Telephone: 01603 789924
Fax: 01603 417335

Revision: 2 28.08.02
Replaces SDS: 1 May 2000

2. COMPOSITION/INFORMATION ON INGREDIENTS

General: Blend of EP additives and fatty lubricity agents
EINECS Registration: All components registered.

Hazardous Ingredients: None

3. HAZARDOUS IDENTIFICATION

Human Effects: Non-toxic, No skin irritancy or sensitisation effects reported.

Environmental Effects: Moderately biodegradable

Cont/d....

Lubysil BCN 40 Health & Safety Cont/d.

4. FIRST AID MEASURES

Inhalation:	Remove from exposure
Skin Contact:	Wash with soap and water.
Eye Contact:	If substance has got into eyes, immediately wash out with plenty of water and seek medical attention.
Ingestion:	Wash out mouth with water. Seek medical attention

5. FIRE FIGHTING MEASURES

Extinguishing:	In case of fire use foam, carbon dioxide or dry agent.
Exposure Hazards:	May give hazardous fumes if involved in a fire.
Protective Equipment for Fire Fighting:	Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Oil resistant gloves; goggles.
Environmental Precautions:	Prevent entry into drains and water courses
Methods of Cleaning Up:	Soak up with inert absorbent.

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Lubysil BCN 40 Health & Safety Cont/d.

7. HANDLING & STORAGE

Handling: Avoid overheating. Normal blending temperatures up to 60°C may be employed.
Prevent slip hazards
Provide suitable mechanical equipment for safe handling of drums and heavy packages.
Avoid release of this product to the environment and clear up any spillage promptly.

Storage: Maximum recommended storage temperature 40°C.
Keep containers closed when not in use.
Protect from water by storing under cover if possible.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment: Wear overalls and oil resistant gloves.
Remove working clothes after work.
Respiratory equipment approved for hydrogen chloride vapours if required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Pale yellow
Odour:	Mild
pH:	Neutral
Boiling Point Range (°C):	Not applicable
Flash Point (°C)(PMCC)	> 150
Flammability – autoginition temp (°C)	> 150
Explosives properties:	None
Oxidising properties:	None
Vapour pressure (mbar @ 20°C)	Negligible
Relative Density (@ 15°C)	1.13
Solubility in Water:	Insoluble
Solubility in fat/solvent:	Miscible with hydrocarbon solvents/mineral oil

Cont/d....

Lubysil BCN 40 Health & Safety Cont/d.

9. Physical & Chemical Properties Cont/d.

Partition coefficient (log Pow):	>4.0
Viscosity (mPa.s @ 40°C):	Approx 35
Vapour Density:	Not applicable
Evaporation Rate:	Negligible
Melting/Solidification Point (°C)	<0

10. STABILITY & REACTIVITY

Stability:	Stable under normal conditions
Conditions to Avoid:	Avoid overheating
Materials to Avoid:	None
Hazardous decomposition:	Toxic fumes of Hydrogen Chloride may be formed above 180°C.

11. TOXICOLOGICAL INFORMATION

Laboratory Data:	(Tests of analogous products)
Acute Toxicity	
- Oral	LD50 (oral, rat) >2000 mg/kg
- Inhalation	Low volatility makes inhalation unlikely at ambient temperatures.
- Dermal	Unlikely to cause harm on brief or occasional contact.

Corrosivity/Irritation

- Eye	Slightly irritating to rabbit eyes (Draize test).
- Skin	No effects observed (rabbit)
- Respiratory tract	Low volatility makes inhalation unlikely at ambient temperatures.

Sensitisation

- Skin	No sensitisation effects observed (guinea pig)
- Respiratory	Low volatility makes inhalation unlikely at ambient temperatures.

Cont/d....

Lubysil BCN 40 Health & Safety Cont/d.

11. Toxicological Information Cont/d.

Repeated-dose toxicity:	No data available on effects of repeated skin contact.
Mutagenicity:	No evidence of mutagenicity
Carcinogenicity:	No evidence of carcinogenicity
Reproductive toxicity:	No evidence of reproductive toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No data available
Mobility:	Insoluble in water
Persistence & Degradability:	Analogous products show moderate biodegradability (CEC L-33-T-82: 28 days, 30-40% biodegradable)
Bioaccumulative potential:	No data available
Other Adverse Effects:	None known.

13. DISPOSAL CONSIDERATIONS

Waste Residue:	Disposal should be in accordance with Local or National Legislation via an Authorised Waste Disposal Contractor to an approved waste disposal site in accordance with Duty Care Regulations, {Environmental Protection Act 1990 - Section 34(7)}
Packaging:	Dispose of through Authorised Waste Contractor.

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Lubysil BCN 40 Health & Safety Cont/d.

14.	Transport Classification:	Not regulated – not classified as hazardous for transport.
	UN Number:	N/A
	Hazard Class:	N/A
	Proper Shipping Name:	N/A
	Packing Group:	N/A
	Marine Pollutant:	No.
	EC Label:	Not hazardous according to CHIP3 regulations
	Label Name:	None
	Symbol:	None
	Risk Phrases:	None
	Safety Phrases:	None
	EC Number:	None required for label.
	EC Directives	Dangerous Substances Directive 67/548/EEC and Dangerous Preparations Directive 1999/45/EC.
	Statutory Instruments:	The Health & Safety at Work, etc Act 1974 The Consumer Protection Act 1987 The Environmental Protection Act 1990 The Control of Substances Hazardous to Health Regulations 1999. The Chemicals (Hazard Information & Packaging for Supply) Regulations 2002 (CHIP3)
	Registration in National Inventories	EINECS (Europe) TSCA (USA) ECL (Korea)

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(Page 7)

Lubysil BCN Health & Safety Cont/d.

16. OTHER INFORMATION

This is an industrial product and is not suitable for food, feed, cosmetic, pharmaceutical of medicinal use.

This product safety data sheet provides health & safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to ensure safe workplace operations.

Approved Codes of Practice: Waste Management. Duty Care

Guidance Notes: Occupational Skin Diseases: Health & Safety Precautions (EH 29)
Occupational exposure limits (EH 40)
Preventing Dermatitis at Work [IND(G) 233]
COSHH essentials (HSG 193)
Metalworking Fluids (EH74)

The above publications are available from the HMSO and HSE

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