

HIGH TEMPERATURE LUBRICANT FOR SOOTBLOWERS & GLAND VALVES

DESCRIPTION

CLYDSPIN® is a uniquely blended Graphite lubricant for use in lubricating bearing surfaces and glands, subjected to elevated temperatures, at which carbonisation is to be avoided. Regular use of CLYDSPIN® IMPARTS A LONG-LASTING Graphite lubricating film ensuring optimum performance of equipment.



USE

CLYDSPIN® is particularly suitable for use on sootblowers where moving parts are subjected to high temperatures sometimes in excess of 400°C and where wear of gland packing is to be minimised. CLYDSPIN® will help to ensure high availability of sootblower service, prolong the working life of sootblowers, and minimise maintenance requirements.

CLYDSPIN® is also suitable for use on other valve glands and other parts where high temperature lubrication without carbonisation is required.

APPLICATION METHODS

CLYDSPIN® can be applied by use of hand operated grease guns, automatic lubricators, and automatically controlled lubricant distribution systems.

For best results apply during operation of equipment.

BENEFITS

- *Non Carbonising Lubricant*
- *Improved Plant Performance*
- *Reduced Maintenance Costs*
- *Energy Saving*



CLYDSPIN® TECHNICAL DATA

Description	Graphite Loaded, Soap thickened lubricant
General Composition	Natural Flake Graphite, Sodium Soap Mineral Base Oil
Consistency	No. 2 Grease
Relative Density IP59*	0.89
Drop Point IP31*	175...C
Flash Point IP34*	180...C
Unworked Penetration IP50*	278/288
Worked Penetration IP50*	290/300
Acidity and Alkalinity IP37*	Free Acid 0.35% Free Alkali 0.12%
Solubility in Water 20...C, 24 hours	0.1%
Dynamic Anti-Rust IP220*	1-2 Grade
Oxidised Ash, 1 Hour 800...C	1.9%
* Tests conducted at Swansea Tribology Centre February 1990.	

PACK SIZES

400gm Cartridges:
Supplied in cartons of 12.
4.5kg Tubs
Bulk: 15kg Tubs, 180kg Drums.

STORAGE

CLYDSPIN® is non volatile and has a low fire hazard.

Store at normal ambient temperatures in sealed, labelled containers.

Prolonged storage may result in slight oil separation. It is recommended that CLYDSPIN® is not stored longer than three years.

HEALTH & SAFETY

CLYDSPIN® is unlikely to present any significant Health & Safety hazard where good standards of industrial and personal hygiene are maintained. For further information please consult Product Safety Datasheet

GREASE GUNS

The type TL grease gun suitable for 400g cartridge or filling direct. Supplied with flexible delivery hose and special connector for use on CLYDE patent sootblowers.

ORDER

Direct from Clyde Bergemann Ltd.

See below for contact details.

SAFETY DATA

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

PRODUCT NAME: **CLYDSPIN** USE: **LUBRICANT**

COMPANY UNDERTAKING IDENTIFICATION: **CLYDE BERGEMANN LTD**
47 BROAD STREET, BRIDGETON
GLASGOW G40 2QR
SCOTLAND UK
TEL: +44 (0) 141 550 5400
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hydrocarbons	<75% w/w
Graphite	<15% w/w
Metal Soap	<10% w/w
Additives	< 5% w/w

3. HAZARDS IDENTIFICATION

NATURE OF HAZARD: NOT CLASSIFIED

4. FIRST AID MEASURES

SKIN CONTACT: Wash off with soap and water

EYE CONTACT: Flush with large amount of water. If irritation persists seek medical attention.

INHALATION: N/A

INGESTION: DO NOT INDUCE VOMITING. Keep at rest and get medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, powder or carbon dioxide

UNUSUAL FIRE / EXPLOSION HAZARDS: None

FIRE FIGHTING EQUIPMENT: Use water spray to cool fire exposed surfaces

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Absorb with sand or earth. Place into drums for disposal.

SAFETY DATA

7. HANDLING AND STORAGE (IN NORMAL USE)

TECHNICAL PROTECTION MEASURES: No special measures required
PROTECTION AGAINST FIRE AND EXPLOSION: No special precautions required

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (IN NORMAL USE)

RESPIRATORY PROTECTION: N/A
HAND PROTECTION: Wear safety gloves
EYE PROTECTION: Wear glasses
SKIN PROTECTION: Wear long sleeves

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Paste
COLOUR: Black
ODOUR: Oily
SETTING POINT:
BOILING POINT: >100°C
SPECIFIC GRAVITY: 0.93 at 20°C
VAPOUR PRESSURE:
VISCOSITY:
SOLUBILITY IN WATER: 0 g/litre at 20°C
pH:
FLASH POINT: 304°C
IGNITION TEMPERATURE:
EXPLOSIVE LIMITS: [Lower] [Upper]

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None
MATERIALS TO AVOID: Strong oxidising agents
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides formed on burning

11. TOXICOLOGICAL INFORMATION

EYES: Slightly irritating to eyes
SKIN: Low order of toxicity – Dermal LD₅₀ 3.0g/kg [rabbit]
Prolonged and frequent contact with the skin may cause degreasing which results in soreness and cracking
INGESTION: Mineral toxicity if ingested – Oral LD₅₀
INHALATION: N/A

SAFETY DATA

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: Not known
AQUATIC TOXICITY: Not known
COD: Not known

13. DISPOSAL CONSIDERATIONS

Incineration

14. TRANSPORT INFORMATION

UN No:
IMO:
ICAO:
ADR/RID:
OTHER: Not listed in any of the above

15. REGULATORY INFORMATION

SUPPLY LABEL: NOT CLASSIFIED AS HAZARDOUS
SYMBOLS:
RISK PHRASES:
SAFETY PHRASES:

16. OTHER INFORMATION

All information, recommendations, and systems appearing in this literature concerning the use of products are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of the product described herein. Since the actual use by others is beyond control of Clyde Bergemann Ltd, and it's incorporated companies, no guarantees expressed or implied are made by Clyde Bergemann Ltd. as to the effect of such use or the results to be obtained, nor do Clyde Bergemann Ltd. assume any liability arising out of use by others of the product referred to herein, nor is the information herein to be construed as absolutely complete since additional information may be necessary to desirable when particular or exceptional conditions exist or because of applicable laws or Government Regulation.

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