

**BCN CF 23
HEALTH & SAFETY DATA**

1.PRODUCT AND COMPANY IDENTIFICATION

Product Name BCN CF 23 Chlorine free high performance cutting oil For Industrial Use Only

Manufacturer/ Supplier : John Clayden & Partners (Lubysil) Ltd, 9, Frensham Road,
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2. HAZARDS IDENTIFICATION

Health & Safety Hazards The product may irritate the eyes and mucous membranes in cases of contact.

Environmental Hazards The product should be prevented from entering the ground & waterways.

Special Hazards after Use Spent product should be disposed of according to national & local Regs.

Pressure Injection Injection of all products will cause severe internal damage if not promptly treated.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition The product contains mineral oil, chlorine free extreme pressure additives and other additives.

Hazardous Ingredients Not applicable.

Risk & Safety Phrases Not applicable.

4. FIRST AID MEASURES

First Aid - Eyes Irrigate immediately with copious quantities of water (lukewarm if possible) while keeping the eye-lid open. Consult an ophthalmologist.

First Aid - Skin Rinse thoroughly with soap and water. Remove drenched clothing and launder before re-use.

First Aid - Ingestion Do NOT induce vomiting, wash mouth, drink plenty of water and give medical coal. Seek medical assistance and draw attention to this data sheet.

First Aid - Inhalation Do not inhale the vapour of fluid over extended periods of time. If ill effects occur remove to fresh air, if effects persist, seek medical attention.

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5. FIRE FIGHTING MEASURES

Flammability Although not classified as flammable, mineral oil based products are inherently combustible.

Appropriate Extinguishing Media Foam, Dried powder or Carbon Dioxide.

Unsuitable Extinguishing Media Maximum water jet.

Products of Combustion None specified.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Spilt product presents a significant slip hazard.

Environmental Precautions This product must not enter the ground, sewers or waterways in large quantities.

Decontamination Procedures Soak up spilt product using an inert absorbent material. Alternatively contain the spill and remove using mechanical pump apparatus or other available means.

7. HANDLING AND STORAGE

Handling When handling product follow good industrial hygiene practices. Wear the personal protective clothing / equipment as specified in section 8. Suitable mechanical equipment for the handling of drums and heavy packages should be provided.

Storage Recommendations Keep containers tightly closed. Ingress of water should be avoided. Where possible, store drums in racking protected from mechanical impact. Do not expose to extremes of temperature.

Storage Temperature Range 5 °C to 40 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Control Measures Local exhaust ventilation is recommended if excessive product misting is expected.

Respiratory Protection Should not be necessary in cases of correct use of product.

Chemical Resistant Gloves Recommended in cases of prolonged skin contact.

Eye Protection Protective goggles are recommended to avoid splashes.

Cont/d....

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Characteristics

Physical State Liquid

Colour Brown

Odour Like mineral oil

Technical Information	Value	Units	Temp (°C)	Method
Pour Point	<= -17	°C	-	ISO 3016
Boiling Point	n.a.	°C	-	DIN 51 583
Flash Point	188	°C	-	ISO 2592
Lower Explosion Limit	0.6	%	-	-
Upper Explosion Limit	6.5	%	-	-
Specific Gravity	0.888	g/cm ³	20	DIN 51 757
Solubility in Water	Insoluble	-	-	-
pH Value	n.a.	-	20	DIN 51 369
Kinematic Viscosity	25.0	mm ² /s	40	DIN 51 562

10. STABILITY AND REACTIVITY

Stability Stable product, when stored within recommended storage temperature range.

Conditions To Avoid Temperatures above 40°C and below 5°C.

Materials to Avoid None specified.

Hazardous Decomposition None in the case of correct handling and storage.

Products Further Information The product is free from chlorine, PCB and PCT.

11. TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the products components.

Acute Toxicological Information Due to the composition of the product, it is assumed that the LD50 value is >>2000 mg/kg.

Primary Irritation Refer section 3.

Sensitisation Refer section 3.

Empirical Data:Effects on Humans No negative effects have become known so far. The product is classified according to the conventional method in guideline 1999/45/EC and according to the toxicological hazard (shown in sections 2, 15 and 16)

HEALTH EFFECTS On Eyes May cause transient irritation due to mineral oil based character.

On Skin Unlikely to cause harm on brief or occasional contact.

By Inhalation Vapours may irritate respiratory tract at elevated temperatures.

By Ingestion May irritate digestive system due to mineral oil based character.

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12. ECOLOGICAL INFORMATION

Information on Elimination Mineral oil based products are inherently but not readily biodegradable.

Persistence/Degradability Leaching and penetration of mineral oil based products through surface soils is generally regarded as resulting in long term persistence.

Environmental Risks The product should be prevented from entering the ground, sewers and waterways.

vPvB/PBT Substances None.

13. DISPOSAL CONSIDERATIONS

Spent Product Disposal Place used and contaminated material into suitable containers. Dispose of the controlled waste in accordance with the duty of care regulations (Environmental Protection Act 1990 - Section 34(7) using a licensed waste disposal company).

Empty Container Disposal As for spent product disposal.

EWC-No. (Recommendation) : 120107

14. TRANSPORT INFORMATION

Classification for Transport Not classified as hazardous for transport purposes

UN Number N/A

ADR/RID - Class N/A

ADR/RID - Item No. N/A

ADR/RID - Hazard Identification N/A

Number IMDG - Packaging Group N/A

IMDG - Class N/A

IMDG - Marine Pollutant N/A

IMDG - Ems Number N/A

IMDG - MFAG Table Number N/A

IATA - Packaging Group N/A

IATA - Class N/A

Tremcard No. TEC(R) N/A

15 REGULATORY INFORMATION

Labelling Information According to EC classification the product does not require any regulatory labelling.

Additional Information Where applicable all other national and local regulations should be observed when transporting and / or disposing of this product.

R phrases N/A

S phrases N/A

EINECS Number N/A

EC Annex 1 Number N/A

EC Annex 1 Classification N/A

MITI Number N/A

TSCA Listing N/A

AICS/NICNAS Listing N/A

DSL/NDSL (Canadian) Listing N/A

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16. OTHER INFORMATION

MSDS First Issued May 1996

MSDS data revised January 2009

Notice The data and advice given is considered to be correct and only applies when the product is sold for the stated applications. The product is not sold as suitable for other applications. Use of the product for applications other than those stated may give rise to risks which are not mentioned in this data sheet. No warranties are expressed or implied since the use of our product is beyond our control.