

SAFETY DATA SHEET
K DRAW 3
GB Current 02.08.1997

SAFETY DATA SHEET Ref No. 10105

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	GLOBAL K DRAW 3
Manufacturer/Supplier	Global Lubricants Limited
Address	7 Sandwell Business Development Centre, Oldbury Rd, Smethwick, West Midlands, B66 1NN, England
Phone Number	+44 (0) 121 544 3638
Fax Number	+44 (0) 121 544 6505
Emergency Phone Number	+44 (0) 07710 754382

2. COMPOSITION/INFORMATION ON THE COMPONENTS

General: Blend of highly refined mineral oils with additives.

3. HAZARD IDENTIFICATION

This product is not classified as hazardous under current UK Health & Safety & Environmental Legislation when used in the application for which it is intended.

However, prolonged or extensive skin contact with the product may result in skin disorders.

The risk of skin disorders may be increased if the product has become contaminated.

Contamination with metal fines will increase the likelihood of skin irritation occurring.

Rapidly rotating machinery such as is used in certain metal operations may promote the formation of oil mists. Please refer to section 8 of this document.

4. FIRST AID MEASURES

Pressure injection	Always obtain immediate medical attention even though the injury may appear minor.
First Aid - Eyes	Irrigate immediately with copious quantities of water. If irritation persists, seek medical advice.
First Aid - Skin	Wash thoroughly with soap and water.
First Aid - Ingestion	DO NOT induce vomiting. Wash mouth out with water. Obtain immediate medical attention showing this sheet.
First Aid - Inhalation	Remove to fresh air. If effects persist, seek medical advice.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Foam, dry powder, CO ₂ . Use water fog to cool fire exposed surfaces.
Flammability	Product not classified as flammable but is inherently combustible.
Flash point (°C pmcc)	180 min
Products of combustion	Mainly oxides of carbon with hydrogen chloride.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Spilt product presents a significant slip hazard. Avoid exposure of the product to sources of ignition.
Environmental precautions	Prevent entry into drains, sewers and water courses.
Decontamination procedures	Soak up with inert absorbent or contain and remove by pumping or best available means. In case of a spillage on water contain by a boom and collect by skimming or absorption.

7. HANDLING AND STORAGE

Keep containers tightly closed.
Store drums undercover in racking protected from mechanical impact. If stored outside ingress of water should be avoided e.g. by placing containers on their side.
Avoid sources of ignition.
A bunded storage area may be required.
Compatible with most common metals.
May soften certain rubbers.
If the product is to be heated avoid direct high temperature heat sources.
Provide suitable mechanical equipment for the safe handling of drums and heavy packages.
Storage temperature: 0-40⁰C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits	<u>Substance</u>	<u>8 hr TWA</u>	<u>STEL</u>	<u>Source/ Other information</u>
	Mineral oil (see oil mist, mineral)	5 mg/m ³	10 mg/m ³	EH 40
Engineering Control	Local exhaust ventilation is recommended when excessive product misting occurs.			
Personal Protection	Avoid skin and eye contact. Wear impervious gloves (e.g. of PVC), in case of repeated or prolonged contact. Change contaminated clothing and thoroughly clean before re-use.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear pale red fluid
Odour	Characteristic
Flash Point (°C)	180 min
Explosion Properties (%)	N/A
Solubility in Water	Insoluble
Relative Density @ 20°C	0.970
Viscosity @ 40°C (mm²s⁻¹)	25.14
Boiling point / range (°C)	200 min
Pour point / melting point (°C)	Not determined
Autoflammability (°C)	Autoignition temperature above 230
Fat solubility	Not determined

PLEASE NOTE THAT THESE PROPERTIES DO NOT CONSTITUTE A SPECIFICATION

10. STABILITY AND REACTIVITY

Stability	Stable, will not polymerise
Conditions to avoid	Temperatures (°C) above 100°C
Materials to avoid	Strong oxidising agents
Hazardous decomposition products	Irritant fumes. <u>Do not</u> breathe products of decomposition

11. TOXICOLOGICAL INFORMATION

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

HEALTH EFFECTS:

On eyes:	May cause transient irritation
On skin:	Unlikely to cause harm on brief or occasional contact
By inhalation:	Low volatility makes inhalation unlikely at ambient temperatures
By ingestion:	May cause nausea, vomiting and diarrhoea
Chronic:	Repeated and prolonged skin contact may lead to skin disorders
Other:	Products which have become contaminated in use or from external sources may present more serious health effects

12. ECOLOGICAL INFORMATION

Biodegradability <50% (CEC L-33-T-82) Chemical Oxygen Demand (mgO₂/l) Not determined

Mineral oils are inherently but not readily biodegradable.

Leaching and penetration of mineral oils through surface soils is generally regarded as resulting in long Term persistence. Fresh or used mineral oils may be harmful to aquatic life.

13. DISPOSAL

Place used and contaminated materials / packaging in suitable containers. Dispose of the controlled waste in Accordance with Duty of Care regulations (Environmental Protection Act 1990 – Section 34(7) using a licensed waste disposal company.

14. TRANSPORT INFORMATION

Classification for transport:	Not classified as dangerous substance for transport on UK mainland.
UN Number	N/A
Packaging group	N/A
IMO Class	N/A
Marine pollutant	N/A
ADR / RID	N/A
Shipping Name	N/A
ICAO / IATA	N/A

15. REGULATORY INFORMATION

Hazard label data	This product is not classified as dangerous for supply in the UK
EC Directives	Framework Waste Directive, 91/156/EEC Waste Oil Directive, 87/101/EEC
Statutory Instruments	The Health & Safety at Work etc Act 1974 Consumer Protection Act 1987 Environmental Protection Control of Substances Hazardous to Health Regulations 1988 Chemicals (Hazard Information and Packaging) Regulations 1993

16. OTHER INFORMATION

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet of any precautions which should be taken.

Approved Codes of Practice: Waste Management. The Duty of Care.

Guidance Notes: Occupational skin diseases: health & safety precautions (EH 26)
Occupational exposure limits (EH 40)
The carcinogenicity of mineral oils (EH 58)
Skin Cancer caused by oil (MS (B) 5)
Save your skin! – Occupational Contact Dermatitis (MS (B) 6)
Dermatitis – cautionary notice (SHW 367)
Effects of mineral oil on the skin (SHW 397)
Metalworking fluids – Health Precautions (EH 62)
Code of Practise for Metalworking Fluids (Institute of Petroleum)