

SAFETY DATA SHEET
GLOBAL K DRAW 5F
Current 30.08.1999

SAFETY DATA SHEET Ref No.. 10084

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	GLOBAL K DRAW 5F
Manufacturer/Supplier Address	GLOBAL LUBRICANTS LTD UNIT 7, SANDWELL BUSINESS DEV CENTRE OLDBURY ROAD SMETHWICK WEST MIDLANDS B66 1NN ENGLAND
Phone Number	+44 (0)121 544 3638
Fax Number	+44 (0)121 544 3638
Emergency Phone Number	+44 (0)410 754382

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Hazardous Components in Product for EC

Component Name	Concentration	R Phrases	Classification
1.Hydrogenated hydrocarbon CAS 64742-49-0	10.00 - 30.00	R10	F

3. HAZARD IDENTIFICATION

Main Hazards	Flammable.
Health Effects - Eyes	Liquid may cause slight transient irritation.
Health Effects - Skin	Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis
Health Effects - Ingestion	Swallowing may have the following effects:- nausea.
Health Effects - Inhalation	Exposure to vapour at high concentrations may have the following effects:- drowsiness. Higher concentrations will have the following effects:- irritation of nose, throat and respiratory tract. Exposures during normal handling and use are likely to be well below those that would be expected to produce the above effects.

4. FIRST AID MEASURES

First Aid - Eyes	Wash out eye with plenty of water. Obtain medical attention if soreness or redness persists.
First Aid - Skin	Wash skin with soap and water. Apply a reconditioning skin cream.
First Aid - Ingestion	Wash out mouth with water. Do not induce vomiting.
First Aid - Inhalation	Remove from exposure.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	This product may give rise to hazardous fumes in a fire.
Protective Equipment for Fire-Fighting	Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all sources of ignition. Ventilate the area. Material can create slippery conditions underfoot.
Environmental Precautions	Try to prevent the material from entering drains or water courses.
Spillages	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Handling	Use in well ventilated area. To avoid the build-up of electrostatic charges, earth all containers and piping when transferring from one vessel to another.
Storage	Storage temperature should be controlled to between 1 and 40 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

1. Hydrogenated hydrocarbon CAS 64742-49-0 *** Revised *** An exposure limit of 300ppm is recommended.

Engineering Control Measures

Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Respiratory Protection

Respiratory protection if there is a risk of exposure to high vapour concentrations.

Hand Protection

PVC or rubber gloves.

Eye Protection

Chemical goggles if there is a risk of splashing

Body Protection

Normal work wear.

Protection

During application, adequate ventilation must be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Colourless.
Odour	Characteristic.
Boiling Range/Point	(Boils above 150°C)
Flash Point (PMCC)	(38 °C)
Explosion Limits (%)	0.6 to 7.0. (based on major component)
Solubility in Water	Insoluble.
Vapour Pressure	(mm.268 @ 38 Hg./20 °C)
Density (kg/m ³)	0.87. (measured as kg/litre)
Auto-flammability (°C)	Above 200.
Viscosity (cSt)	Mobile liquid at ambient temperatures.
Vapour Density (Air = 1)	Heavier than air.
Evaporation Rate	<0.5 (referenced as n-butyl acetate =1)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	High temperatures.
Materials to Avoid	Strong oxidising agents.
Hazardous Decomposition Products	Combustion will generate: smoke, possibly thick and choking, resulting in zero visibility.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Low order of acute toxicity.
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12. ECOLOGICAL INFORMATION

Mobility	The product is insoluble in water. If released to water the product will float. The product will leach into soil.
Persistence/ Degradability	The product is expected to be resistant to biodegradation.
Bio-accumulation	Product is not expected to bio-accumulate.

13. DISPOSAL

Product Disposal	If recovery is not possible, allow the material to evaporate, provided it is safe to do so; if not then incinerate. Dispose of in accordance with all applicable local and national regulations.
Container Disposal	Empty containers may contain hazardous residues.

14. TRANSPORT INFORMATION

UN Number	1993
UN Proper Shipping Name	Flammable liquid, n.o.s. (Hydrogenated Hydrocarbon)
UN Class	3
UN Packaging Group	III
ADR/RID Substance Identification Number	1993
ADR/RID -	Description Inflammable liquids having a flash- point between 21°C and 100°C, not toxic and not corrosive.
ADR/RID -	Class 3
ADR/RID -	Item No.31c
IMDG - Name	Proper Shipping Flammable liquid, N.O.S. (Hydrogenated Hydrocarbon)
IMDG -	Packaging Group III
IMDG -	Class 3.3
IMDG -	Marine No. Pollutant
IMDG -	Ems Number 3-07
IMDG -	MFAG Table 311
IATA – Name	Proper Shipping Flammable liquid, N.O.S. (Hydrogenated Hydrocarbon)
IATA -	Packaging Group III
IATA -	Class 3
Tremcard No.	TEC(R) 527

15. REGULATORY INFORMATION

Labelling Information	
R phrases	Flammable.
S phrases	None.

16. OTHER INFORMATION

Product Use	For industrial use only. Metal forming lubricant.
MSDS first issued	25 July 1996
MSDS data revised	30 August 1996
Revisions Highlighted	Trade Name

17. NATIONAL LEGISLATION

EC Legislation	EC Directive 91/155/EEC defining the laying down and detailed arrangements for the system of specific information relating to dangerous preparations. EC Directive 88/379/EEC relating to the classification, packaging and labelling of dangerous preparations.
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