

SAFETY DATA SHEET
GLOBAL H D Chain Spray
10040 GB Current 01.10.1998

SAFETY DATA SHEET Ref No. 10040

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name	HD CHAIN SPRAY
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) 7710 754382

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Preparation - Hazardous Components	Min%	Max%	EEC Classification	
Component				
1.Mixed Hydrocarbon	25.00	50.00	R10	
2.Propane	2.5	10.00	R12	F+
3. Butane, isobutane	2.5	10.00	R12	F+

3. HAZARD IDENTIFICATION

Main Hazards	Extremely 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. drowsiness.
Health Effects - Inhalation	Exposure to vapour at high concentrations may have the following effects:- drowsiness.

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	Do not induce vomiting. Obtain medical attention.
First Aid - Inhalation	Remove from exposure. Keep warm and at rest. Seek medical attention if you feel unwell.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.
Unsuitable Extinguishing Media	Do not use water jet.
Special Hazards of Product	Containers may explode in heat of fire. 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. Wear appropriate protective clothing.
Environmental Precautions	Try to prevent the material from entering drains or water courses.
Spillages	Allow to evaporate if it is safe to do so or 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.
Storage	Storage area should be: out of direct sunlight . Storage temperature should be kept below 50 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

1.Mixed Hydrocarbon isomers	UK EH40: OES 300ppm 8h TWA.
2.Butane F+ 12	UK EH40: OES 600ppm 8h TWA. UK EH40: OES 750ppm 15min TWA.

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

Use a good quality barrier cream.

Eye Protection

Chemical goggles if there is a risk of eye contact.

Body Protection

Normal work wear.

Protection During Application

During application, adequate ventilation must be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous Liquid.
Colour	Grey.
Odour	Characteristic.
Flash Point (Abel) (°C)	40
Solubility in Water	Insoluble.
Density (kg/m³)	0.867. (measured as kg/litre)
Viscosity (cSt)	Mobile liquid at ambient temperatures.
Vapour Density(Air =1)	Heavier than air.

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Conditions to Avoid	Exposure to direct sunlight. Temperatures in excess of 50 °C.
Materials to Avoid	Strong oxidising agents.
Hazardous Products	Decomposition Combustion will generate: oxides of sulphur. 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 will leach into soil. If released to water the product will float.
Persistence/ Degradability	The product is expected to be resistant to biodegradation.
Bio-accumulation	Product is not expected to bio-accumulate.

13. DISPOSAL

Product Disposal	Dispose of in accordance with all applicable local and national regulations.
Container Disposal	Plastic caps and empty aerosols may be recycled via appropriate routes. Empty aerosols may be disposed of by authorised landfill. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

UN Number	1950
UN Proper Shipping Name	Aerosols, flammable, n.o.s.
UN Class	2.2
UN Packaging Group	II
ADR/RID Substance Identification Number	1950
ADR/RID - Description	Aerosols.
ADR/RID - Class	2
ADR/RID - Item No.	10b1
IMDG - Proper Shipping Name	Aerosol Dispensers.
IMDG - Packaging Group	II
IMDG - Class	9
IMDG - Marine Pollutant	No.
IMDG - Ems Number	2-13
IMDG - MFAG Table Number	310
IATA - Proper Shipping Name	Aerosols, flammable, n.o.s.
IATA - Packaging Group	II
IATA - Class	2.1
Tremcard No. TEC(R)	20G26-2

15. REGULATORY INFORMATION

Labelling Information	
R phrases	R12 Extremely Flammable. R10 Flammable
S phrases	Keep away from sources of ignition - No Smoking. Do not breathe spray. Use only in well ventilated areas. Keep out of reach of children.

16. OTHER INFORMATION

Product Use	For industrial use only. Lubricant.
MSDS first issued	01 October 98
MSDS data revised	

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. EC Directive 94/1/EC adapting some technicalities of Council Directive 75/324/EEC on the approximation of the laws of Member States relating to aerosol dispensers.
UK Guidance Publications	EH40, Occupational Exposure Limits, HSE. Revised Annually.