

## SAFETY DATA SHEET

### SOLDRAW CLF 10024 1.00 GB Current 10.06.1997

SAFETY DATA SHEET Ref No. 10024

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Trade Name** SOLDRAW CLF  
**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 3638  
**Emergency Phone Number** +44 (0) 410 754382

#### 2. COMPOSITION/INFORMATION ON THE COMPONENTS

##### **Hazardous Components in Product for EC**

<b>Component Name</b>	<b>Wt %</b>	<b>Phrases</b>	<b>Classification</b>
1.Alkanolamine esters	25.00 - 60.00	R36/38,	Xi,
Diethylene glycol	1.00 - 10.00	R22	Xn
Glycerine	1.00 - 10.00	-	-

#### 3. HAZARD IDENTIFICATION

**Main Hazards** Concentrated product - Irritating to eyes and skin.

**Health Effects - Eyes** Liquid, mist or vapour at high concentrations may cause slight transient irritation.

**Health Effects - Skin** Concentrated product - Material will cause irritation. Diluted product - Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis.

**Health Effects - Ingestion** Concentrated product - Swallowing may have the following effects:- irritation of mouth, throat and digestive tract. nausea. Diluted product - nausea.

**Health Effects - Inhalation** Respiratory protection is not normally required. However, suitable respiratory equipment be provided for those operations which generate vapour, mists or fumes and where exposure cannot be adequately controlled by local exhaust ventilation or other means.

#### **4. FIRST AID MEASURES**

<b>First Aid - Eyes</b>	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
<b>First Aid - Skin</b>	Wash skin with soap and water. Apply a reconditioning skin cream.
<b>First Aid - Ingestion</b>	Wash out mouth with water. Do not induce vomiting. Obtain medical attention.
<b>First Aid - Inhalation</b>	Remove from exposure.

#### **5. FIRE FIGHTING MEASURES**

<b>Flammability</b>	High energy sources may induce combustion of the undiluted product. The diluted solutions do not support combustion.
<b>Extinguishing Media</b>	Use foam, dry chemical or carbon dioxide.
<b>Unsuitable</b>	Do not use water jet.
<b>Extinguishing Media Special Hazards of Product</b>	This product may give rise to hazardous fumes in a fire.
<b>Protective Equipment for Fire-Fighting</b>	Wear self contained breathing apparatus.

#### **6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Material can create slippery conditions underfoot.
<b>Environmental Precautions</b>	Try to prevent the material from entering drains or water courses.
<b>Spillages</b>	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal. Finally flush area with plenty of water.

#### **7. HANDLING AND STORAGE**

<b>Handling</b>	It is important to ensure that the recommended dilution ratio of all cutting fluids is correctly maintained. See product label or technical data sheet for the correct dilution ratio.
<b>Storage</b>	Storage temperature should be controlled to between 1 and 40 °C. Where outside storage of drums is unavoidable, they should be stored horizontally to avoid ingress of water.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Engineering Control Measures</b>	Diluted product - 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.
<b>Respiratory Protection</b>	Respiratory protection not normally required.
<b>Hand Protection</b>	Concentrated product - PVC or rubber gloves. Diluted product - Use a good quality barrier cream.
<b>Eye Protection</b>	Chemical goggles if there is a risk of eye contact.
<b>Body Protection</b>	Normal work wear.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State	Liquid.
Colour	Clear. Amber.
Odour	Mild.
pH	Range between 8 to 9.
Boiling Range/Point	Boils above 100 °C
Flash Point (PMCC)	Exceeds 100 °C
Solubility in Water	Emulsifies.
Density	1.11. (measured as kg/litre)
Auto-flammability (°C)	Above 100.
Viscosity (cSt)	No data
Alkalinity	Slightly alkaline

## **10. STABILITY AND REACTIVITY**

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

## **11. TOXICOLOGICAL INFORMATION**

Acute Toxicity	Low order of acute toxicity.
Dermal LD50	> 2500 (rabbits expected LD50)
Inhalation LC50	Not established
Oral LD50	>2500 (rabbits expected LD50)
Carcinogenicity	No carcinogenic effects are normally anticipated with this type of product

## **12. ECOLOGICAL INFORMATION**

<b>Mobility</b>	The product will leach into soil. The product is involatile and water soluble and will partition to the aqueous phase.
<b>Persistence/ Degradability</b>	The product is expected to be resistant to biodegradation.

## **13. DISPOSAL**

<b>Product Disposal</b>	Dispose of in accordance with all applicable local and national regulations.
<b>Container Disposal</b>	Labels should not be removed from containers until they have been cleaned. Dispose of containers with care. Do not incinerate closed containers.

## **14. TRANSPORT INFORMATION**

UN Class	Not classified.
ADR/RID - Class	Not classified.
IMDG - Class	Not classified.
IATA - Class	Not classified.
Marine pollutant	No

## **15. REGULATORY INFORMATION**

<b>EEC Classification</b>	Xi Skin and Eye Irritant
<b>EEC Number</b>	Not applicable
<b>R36/38 phrases</b>	Concentrated product -Irritating to eyes and skin.
<b>S 25/26 phrases</b>	Concentrated product - Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of: soap and water.

## **16. OTHER INFORMATION**

<b>Product Use</b>	For industrial use only. Metal working lubricant.
<b>MSDS first issued</b>	10 June 1997
<b>MSDS data revised</b>	
<b>Revisions Highlighted</b>	

## **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.

### **UK Guidance Publications**

EH40, Occupational Exposure Limits, HSE. Revised Annually. Mineral oil mist OES: 5mg\cu.m 8h TWA; 10 mg\cu.m 15min TWA.

EH58, The Carcinogenicity of Mineral Oils.

IND(G) 166L: Management of Metalworking Fluids (wallchart), HSE.

IND(G) 168L: Management of Metalworking Fluids - a guide to good practice for minimising risks to health, HSE.

IND(G) 169L: Metalworking Fluids and You, HSE.