# Emulsichem Lubricants Pvt. Ltd.

# MATERIAL SAFETY DATA SHEET

### **Product Identification**

Trade Name : Greenlake-55

Synonyms : Synthetic Water Soluble Cutting Oil

**Product Ingredients** 

Material or Agent : Water Soluble Synthetic Oil

Toxicity : Non toxic

**Chemical & Physical Data** 

Boiling Point : Above  $150^{\circ}$ C Specific Gravity :  $1.02 \pm 0.002$ 

Vapour Density : NA pH of 5% Solution : 9.5–10

Copper strip corrosion test : Not worse than No.1
Cast iron corrosion test : Does not corrode / rust

Active Matter : 40-45% Percent volatiles by volume : Nil

Appearance & Odour : Fluorescent green & odourless

Physical State : Liquid
Melting Point : NA
Vapour Pressure : NA

Solubility in water % by wt. : Water soluble

Evaporation Rate : No evaporation at room temp.

**Fire and Explosion Data** 

Flash Point : NA
Autoignition Temperature : NA
Flammable limits in air % by vol. : NA

Extinguishing Media : 1) Chemical foam type

2) Dry powder type3) Mechanical foam type4) Carbon dioxide type

Specific Fire and Explosion Hazard : NA

### **Health Hazard Information**

Health Hazard Data

Routes of Exposure

Inhalation : Nil Skin Contact : Nil Skin Absorption : Nil

Eye Contact : Wash with plain water

Ingestion : Harmful-Consult doctor immediately

Effects of Overexposure

Acute Overexposure : Wash with plain water Chronic Overexposure : Wash with plain water

**Emergency and First Aid Procedures** 

Eye : Wash with plain water Skin : Wash with plain water

Inhalation : NA

Ingestion : Harmful-Consult doctor immediately
Notes to Physician : Physician may be informed the details

of this product.

## **Reactivity Data**

Compatibility with other oils : Not compatible

Hazardous decomposition products : Nil Conditions contributing to : Nil

Hazardous Polymerization



# **Spill or Leak Procedures**

Steps to be taken if material

is released or spilled : Wipe with cloth & wash with water.

Neutralizing Chemicals : Effluent treatment with conc. HCL acid and neutralizing by lime.

Waste Disposal Method : Effluent treatment plant with

acidifying & neutralize with lime.

# **Special Protection**

Ventilation Requirements : Sufficient ventilation may be provided

at the place of operation.

Specific Personal Protective Equipments

Respiratory : Nil Eye : Nil Gloves : Nil

Other Clothing and Equipment : No special clothing or equipment is

required.

#### **Special Precautions**

### **Precautionary Measures:**

1) If it comes in contact with eye or skin wash with plain water.

2) In case of skin irritation, use Kerodex Barrier Cream before work begins and wash with a soap solution after work.

### Other Handling and Storage Requirements:

1) Store in shed.

- 2) Protect oil drums from sun, rain & fire.
- 3) Shake before use.
- 4) Keep sufficient ventilation.
- 5) Add oil to water in recommended proportions.

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