

Emulsichem Lubricants Pvt. Ltd.

MATERIAL SAFETY DATA SHEET**Product Identification**

Trade Name : Emulkut-1101
Synonyms : Water Soluble Cutting Oil

Product Ingredients

Material or Agent : Water soluble oil
Toxicity : Non toxic

Chemical & Physical Data

Boiling Point : Above 150°C
Density @ 25°C : 0.87 ± 0.002
Ther. stability @ 50°C±2 for 15hrs : Remains homogenous
Freezing test @ 0°C±2 for 15hrs : Remains homogenous
Copper strip corrosion test : Not worse than No.1
Cast iron corrosion test : Does not corrode / rust.
pH of 5% solution : 9.0 ± 0.2
Percent volatiles by volume : Nil
Appearance & Odour : Clear, blue & 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 type
 3) Mechanical foam type
 4) 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 Hazardous Polymerization : Nil

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.

Prepared by : Mr. R. Y. Bhosale

Disclaimer: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Emulsichem Lubricants Pvt. Ltd. The data on this sheet are related only on the specific material designated herein. Emulsichem Lubricants Pvt. Ltd. assumes no legal responsibility for use or reliance upon these data and the damages to life, property incurred thereafter.