

## Emulsichem Lubricants Pvt. Ltd.

### MATERIAL SAFETY DATA SHEET

#### Product Identification

**Trade Name** : Emulkut-1872  
**Synonyms** : Water Soluble Cutting Oil for Aluminum

#### Product Ingredients

**Material or Agent** : Water Soluble Cutting Oil  
**Toxicity** : Non toxic

#### Chemical & Physical Data

**Boiling Point** : 360°C & above  
**Density @ 25°C** : 0.86 ± 0.02  
**Ther. stability @ 50°C ± 2 for 15hrs** : Remains homogenous  
**Freezing test @ 0°C ± 2 for 15hrs** : Remains homogenous  
**pH of 5% emulsion** : 8.6 ± 0.2  
**Copper strip corrosion test** : Not worse than No.1  
**Cast iron corrosion test** : Does not corrode / rust.  
**Percent volatiles by volume** : Nil  
**Appearance & Odour** : Slight 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 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:

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- 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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