

Emulsichem Lubricants Pvt. Ltd.

MATERIAL SAFETY DATA SHEET**Product Identification**

Trade Name : Lavis-a-9000

Synonyms : Semi-Synthetic Water Soluble Cutting Oil

Product Ingredients

Material or Agent : Water Soluble Semi-Synthetic Oil

Toxicity : Non toxic

Chemical & Physical Data

Boiling Point : 160°C & above
 Density @ 25°C : 0.92 ± 0.02
 Ther. stability @ 50°C± 2 for 15hrs : Remains homogenous
 Freezing test @ 0°C± 2 for 15hrs : Remains homogenous
 pH of 5% Solution : 9.0 ± 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 : Clear, golden yellow
 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	: Use of safety goggles recommended.
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 well before use.
- 4) Keep sufficient ventilation.
- 5) Add oil to water in recommended proportions.

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