

Emulsichem Lubricants Pvt. Ltd.

MATERIAL SAFETY DATA SHEET**Product Identification****Trade Name** : Lavis Super-90**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** : 0.97 ± 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** : Oceanic blue**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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