

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE

MATERIAL NAME : EMULKUT 1101
USES : Water Soluble Metal Working Fluid.

2. COMPOSITION / INFORMATION ON INGREDIENT

PREPARATION DESCRIPTION : Blended with EP Additives, Synthetic esters, water, Biocides and highly refined Mineral oil.

3. HAZARDS IDENTIFICATION

HEALTH HAZARDS : It is not expected to be health hazard when used under Normal conditions and controlled working parameters like conc', pH and filtration. Prolonged skin contact may cause some disorder like acne and rashes. Impurities in used oil can be avoided by regular filtration of chips and removal of tramp oil.

SAFETY HAZARDS : not classified as flammable, but will burn.

4. FIRST AID MEASURES

GENERAL INFORMATION : No treatment is necessary, but may obtain medical advice.

SKIN CONTACT : For repeated skin contact flush with water and wash hands With soap. Remove the contaminated clothing with persistent irritation, please seek medical attention.

EYE CONTACT : Flush with generous amount of water. If irritation persists, Seek medical advice.

INGESTION : No treatment is necessary unless large quantities taken. In such cases, please seek medical attention.

NOTES TO PHYSICIAN : Please treat as per the symptoms with the product info.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Chemical foam type, Dry powder, Carbon di-Oxide.

SPECIAL INFORMATION : NA.

6. ACCIDENTAL RELEASE MEASURES

Please avoid contact with spilled material. For further information on protective equipment see chapter 8 and for disposal of spilled material see chapter 13 of the MSDS. If possible, eliminate all ignition points, sources.

PROTECTIVE MEASURES : Avoid contact and prevent from spreading or entering drains or water.

CLEANING MEASURES : Soak up with absorbent material like cloth, sand or other suitable material. Dispose as per guidelines.

7. HANDLING AND STORAGE

HANDLING : while handling drums, use safety shoes and other protective gear and handling equipment's.

STORAGE : store in cool properly ventilated area. Storage temperatures:5-45° C.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY : Under normal conditions, no protection is required.

EYE : wear safety glasses if coolant splashes are likely to occur.

HAND : if required hand gloves may be used. Personal hygiene is must in case of using hand gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear, Blue
Odor	: Slight
Solubility	: Miscible
Specific Gravity	: 0.90 ± 0.02 @ 27°C
pH	: 9.0 ± 0.2 of 5% emulsion
% volatile by Volume @21°C	: NA
Boiling Point	: Above 160°C
Melting Point	: NA
Vapour Density (Air)	: No data available
Vapour pressure (mm Hg)	: No data available
Evaporation Rate	: No evaporation at room temperature

10. STABILITY AND REACTIVITY

STABILITY	: Stable at room temperature
HAZARDOUS DECOMPOSITION	: No hazardous products are formed during products normal storage and use.
HAZARDOUS POLYMERIZATION	: No polymerization occurs.
CONDITIONS TO AVOID	: Direct sunlight and extreme pressure.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY	: Expected to be of low toxicity.
ACUTE DERMAL TOXICITY	: Expected to be of low toxicity.
SKIN IRRITATION	: Expected to be slightly irritating.
EYE IRRITATION	: No Irritation.
RESPIRATORY IRRITATION	: No Irritation.
CARCINOGENICITY	: Components are not known to be associated with Carcinogenic effects at the usage doses.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL TOXICITY	: May cause physical fouling of aquatic organisms if left untreated. Not readily biodegradable.
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13. DISPOSAL CONSIDERATIONS

The product can be treated in the ETP before disposing. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated after treatment with proper classification and disposal compliance.

14. TRANSPORT INFORMATION

DOMESTIC (LAND)	: This is not classified as dangerous.
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15. REGULATORY INFORMATION

The Factories Act, 1948, The second schedule: Permissible levels of certain substances in work environment.

16. OTHER INFORMATION

MSDS EFFECTIVE DATE	: 31.07.2025
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