

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

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|------------------------------|--|
| Product Name | MET-L-COOL BIOCOOL-100 (P) |
| Use of substance | Water miscible metal working fluid |
| Manufacturer/Supplier | ITW Chemin, ITW INDIA PRIVATE LIMITED |
| Address | Plot No: 34-37, Phase- 2, IDA, TSIIC, Pashamylaram, Sangareddy 502307, INDIA |
| Phone Number | +91 8455 224700/01 |
| Fax Number | +91 8455 224705 |
| Emergency Cell Number | 91000 12393 |
| Restriction on use | Not Applicable |
| E-Mail | chemininfo@itwchemin.com |
| Website | www.itwchemin.com |

2. HAZARD IDENTIFICATION

GHS label Element:

Hazard statements: H319: Causes serious eye irritation
H315: Causes skin irritation.

Hazard Pictogram: GHS07: Exclamation mark



Warning

Precautionary statements:

P102: Keep out of reach of children
P240: Ground/Bond container and receiving equipment.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing dust/fumes/gas/mist/vapors/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call if you feel unwell.
P403+233: Store in a well-ventilated place. Keep container tightly closed.

Other Hazards: This product is not identified as a PBT/vPvB substance.

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3. COMPOSITION/INFORMATION ON THE COMPONENTS

No Hazardous components as per OSHA'S HAZARD COMMUNICATION STANDARD 29CFR 1910.1200

| Component Name | CAS# | Concentration |
|--|------------|---------------|
| Fatty acid alkonalamide | 202-281-7 | 5-15% |
| Light naphthenic, chemically neutralized oil | 64742-52-5 | 45-60% |
| Amphoteric surfactant blend | 90170-43-7 | 15-25% |
| Boric Acid Components | | 5-15% |
| Ethoxylated Fatty alcohol | 68410-99-1 | 5-15% |
| Chlorinated olefin | 112-34-5 | 5-15% |

4. FIRST AID MEASURES

| | 4.1: First aid measures | 4.2: Symptoms |
|--------------|---|---|
| Eye contact | Bathe the eye with running water for 15 minutes. Consult a doctor | May be Mild irritation at the site of contact |
| Skin contact | wash immediately with plenty of soap and water | May be Irritation and redness |
| Ingestion | Wash out mouth with water | May be irritation of throat |
| Inhalation | Remove causality from exposure ensuring one's own safety whilst doing so. | May be coughing and sore throat. |

5. FIRE FIGHTING MEASURES

| | |
|--|--|
| Extinguishing Media | Use foam, dry chemical or carbon dioxide. |
| Specific hazards arising from the chemical | In combustion emits toxic fumes of carbon dioxide / carbon monoxide. |
| Advice for fire-fighters | Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. |
| Unsuitable Extinguishing Media | Do not use water jet |

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------|--|
| Personal Precautions | Material can create slippery conditions underfoot. |
|----------------------|--|

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Environmental Precautions Try to prevent the material from entering drains or rivers.

Methods and material for containment and cleaning up Contain and absorb using, sand or other inert material. Transfer into suitable containers for recovery or disposal. Flush area with water.

7. HANDLING AND STORAGE

Handling Use only at the dilution specified. See label or technical data sheet.

Storage Coolant tends to freeze at low temperatures. If frozen warm up completely and stir thoroughly before use. Inside storage is recommended and it should be stored out of direct sunlight/heat or fire. To avoid the cross contamination, always close the barrel/pail properly after usage. Exposure to sunlight during receipt or storage for few days will not effect the performance of the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters DNEL / PNEC No data available.

Engineering Control Measures Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

Individual protection measures, such as personal protective equipment

Respiratory Protection Respiratory protection not normally required.

Hand Protection Concentrated product - PVC or rubber gloves. Diluted product - Use a good quality barrier cream.

Eye Protection Chemical goggles if there is a risk of eye contact.

Body Protection Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Pale Yellow Color Liquid
Odor Characteristic
Viscosity Mobile liquid at ambient temperatures

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(45-55 CST @37.8°C)

pH 9.0 – 10.0 at 5.0 % volume in water. (Typical)

Melting Point/Freezing point

Initial boiling point and boiling range

Boils above 100.

Flash point. At or above 150 °C.

Vapor

density. 0.980-1.020 Kg/L

NOTE:

The above data are typical values and cannot be inferred as specifications

10. STABILITY AND REACTIVITY

| | |
|--|--|
| Reactivity | Stable under recommended transport or storage conditions |
| Chemical stability | Stable under normal condition |
| Possibility of Hazardous reaction | Hazardous reaction not occur under normal transport or storage condition |
| Condition to avoid | Heat |
| Incompatible material | Strong oxidizing agents. Strong reducing agents. |
| Hazardous Decomposition Products | After evaporation of water, combustion will generate: oxides of nitrogen, ammonia smoke, possibly thick and choking, resulting in zero visibility. |

11. TOXICOLOGICAL INFORMATION

| | |
|---------------------------|---|
| Routes of exposure | Refer to section 4 of SDS for routes of exposure and corresponding symptoms |
|---------------------------|---|

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------------|--|
| Eco toxicity | No data available |
| persistence and degradability | The product is expected to be partially or slowly biodegradable |
| Bio accumulative potential | No bioaccumulation potential. |
| Mobility in soil. | The product will leach into soil. The product is non- volatile and water- soluble and will partition to the aqueous phase. |
| Other adverse effects | |

13. DISPOSAL

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**Product Disposal**

Incineration. Dispose of in accordance with all applicable local and national regulations.

Container Disposal

Labels should not be removed from containers until they have been cleaned. Dispose of containers with care. Do not incinerate closed containers.

14. TRANSPORT INFORMATION

UN number

Not classified

UN proper shipping name

Shipping name: " NOT SUBJECT TO ADR"

Transport hazard class(es)

UN no: -

Packing group

Not classified

Environmental hazards

Environmentally Hazard : No

Marine Pollutant : No

Special precautions for user

NA

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

No significant Hazard

Chemical Safety Assessment

None

Note

The regulatory information given above only indicates the principle regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national and local regulations or provisions.

16. OTHER INFORMATION

Product Use

For industrial use, only. Metal Working Fluid

SDS first issued

June 2015

SDS Revised on/Version#

Sep'19/04

Legal disclaimer

The above information is believed to be correct but does not purport to be all-inclusive and shall be only used as guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.