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| <b>MATERIAL SAFETY DATA SHEET</b> |
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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

SUPPLIER: METPREP LTD.  
CURRIERS CLOSE  
CHARTER AVENUE  
COVENTRY CV4 8AW

TELEPHONE: PRODUCT INFORMATION: 024 7642 1222

FAX: 024 7642 1192

CHEMICAL NAME:

PRODUCT: METPREP OIL BASED DIAMOND LUBRICANT

PRODUCT NUMBERS: 15 50 04

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

DESCRIPTION: Oil based lubricant for use with MetPrep Diamond Suspensions. Containing Aliphatic and cycloparaffinic hydrocarbons:

| INGREDIENT (S):                             | CAS NUMBER | %      | Xn | Risks |
|---|------------|--------|----|-------|
| Distillates (petroleum) Hydrotreated light. | 64742-47-8 | 90-98% | Xn | R65   |

**3. HAZARDS IDENTIFICATION**

1: Harmful: May cause lung damage if swallowed

**4. FIRST AID MEASURES**

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Move the exposed person to fresh air at once. Get medical attention. Administer artificial respiration if breathing has stopped.

EYES: Irrigate thoroughly with water for at least 10 minutes. Seek medical attention.

SKIN: Remove soaked clothing. Wash the skin immediately with soap and water. Seek medical attention if symptoms occur after washing.

INGESTION: DO NOT INDUCE VOMITING! If vomiting occurs, keep head low so that stomach content does not get into the lungs. Drink plenty of water. Seek medical attention immediately

**5. FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA: Foam, Dry Chemical or sand

SPECIAL RISKS: Fire creates acrid smoke/fumes of carbon monoxide and carbon dioxide.

**6. ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: As appropriate to the quantity handled.

Behavior in water: Emulsifiable.

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Spillage: Wear necessary protective equipment. Absorb in cat litter, dry sand or earth and place into containers. Dispose of according to recognized method of chemical disposal

**7. HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination exceeds accepted level.

STORAGE: Keep in cool, dry ventilated storage and closed containers. Container remains hazardous even when empty

OTHER PRECAUTIONS: As appropriate to quantity handled

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

RESPIRATORY PROTECTION (SPECIFY TYPE): No specific recommendation. If OEL exceeded respiration protection must be used.

VENTILATION: Provide adequate general and local exhaust ventilation

PROTECTIVE GLOVES: Use chemical resistant gloves

EYE PROTECTION: Wear approved safety goggles.

OCCUPATIONAL EXPOSURE LIMITS: Recommended – 1000mg/m<sup>3</sup>

HAZARDOUS INGREDIENT (S) –

**9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM: Liquid

COLOUR: Colourless, red

ODOUR: Aliphatic hydrocarbon

BOILING POINT: 220-240 °C

SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.00

VAPOUR PRESSURE: 0.02 kpa

PERCENT VOLATILE W/W%: NA

DENSITY: 0.79 g/cm<sup>3</sup>

EVAPORATION RATE: NA

FLASH POINT: >88 °C

AUTOIGNITION TEMPERATURE: NA

FLAMMABLE LIMIT, AIR VOL % LOWER: NA  
UPPER: NA

SOLUBILITY IN WATER: Emulsifiable

**10. STABILITY AND REACTIVITY**

STABILITY: Stable

CONDITIONS TO AVOID: None

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid Strong acids and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: NA.

HAZARDOUS POLYMERIZATION: NA

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**11. TOXICOLOGICAL INFORMATION**

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| INHALATION:                 | Prolonged inhalation of high concentration may damage respiratory system.   |
| SKIN CONTACT:               | Low order toxicity. Frequent and prolonged contact may irritate and cause dermatitis.   |
| EYE CONTACT:                | Irritating but does not injure eye tissue.  |
| INGESTION:                  | Small amounts of liquid aspirated into respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema. |
| REPRODUCTIVE TOXICITY DATA: | Not known.  |
| TOXICITY DATA:              | Minimal toxicity.   |

**12. ECOLOGICAL INFORMATION**

|                      |   |
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| GENERAL:             | This material is highly volatile and will rapidly evaporate to the air if released onto the environment. This material is expected to be rapidly biodegradable. This material can degrade rapidly in air. |
| ECOLOGICAL TOXICITY: | Because this lubricant is emulsifiable, toxicity to aquatic organisms may be higher than for the unmodified raw materials. Care must be taken not to let this product enter the water system.             |

**13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHODS: Dispose of in accordance with local authority requirements.

**14. TRANSPORTATION INFORMATION**

|                  |    |
|------------------|----|
| UN NAME:         | NA |
| UN NUMBER:       | NA |
| IMDG CODE/CLASS  | NA |
| IICAO/IATA CLASS | NA |
| RID/ADR CLASS:   | NA |
| HAZCHEM CODE:    | NA |

**15. REGULATORY INFORMATION**

|                  |             |  |
|------------------|-------------|--|
| EXPOSURE LIMITS: | 1000 mg/m3. |  |
| RISK PHRASE:     | R 65        | Harmful. May cause lung damage if swallowed  |
| SAFETY PHRASES   | S 24        | Avoid contact with skin  |
|                  | S 43 A      | In case of fire use sand, earth, chemical powder or foam.  |
|                  | S 51        | Use only in well ventilated areas  |
|                  | S 62        | If swallowed, do not induce vomiting. Seek medical advice immediately and show container or label. |

**16. OTHER INFORMATION**

None

The data sheet was prepared in accordance with Directive 91/155/EEC

The above information has been gathered from reliable sources and is believed to be correct. However, the information is provided without any warranty, either expressed or implied. MetPrep Ltd. shall not be held liable for any damage resulting from the handling of or contact with the above product.