

# Certificate of Analysis / Material Safety Data Sheet

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|  |   |  |
|--|---|--|
| Product Identity (Trade Name As Used On Label) | : | MR MCKENIC                             |
| Product Code                                   | : | GG3020                                 |
| Description                                    | : | SYNTHETIC HT GREASE                    |
| Manufacturer's Name                            | : | ISOCHEM INTERNATIONAL PTE LTD          |
| Manufacturer's Address                         | : | NO: 24, GUL LANE,<br>SINGAPORE 629418. |
| Contact Number                                 | : | 65-6863 0863                           |
| Date Prepared                                  | : | 1ST MAR 2008                           |

## 2. MATERIAL IDENTIFICATION AND INFORMATION

| COMPONENTS - CHEMICAL NAME / COMMON NAME | APPROX.<br>% (WT) |
|--|-------------------|
| SYNTHETIC OIL                            | 60-80             |
| MOLY ADDITIVES                           | 5-8               |
| ETHANOL                                  | 10-20             |
| CORROSION INHIBITOR                      | 5-8               |

## 3. PHYSICAL / CHEMICAL CHARACTERISTICS

|   |   |             |                                  |   |          |
|---|---|-------------|----------------------------------|---|----------|
| Appearance                                | : | WHITE CREAM | Odour                            | : | PLEASANT |
| Physical State                            | : | GREASE      | Viscosity (Index)                | : | NA       |
| Vapour Pressure<br>PSIG @ 70°F (Aerosols) | : | NA          | Vapour Pressure<br>(Non Aerosol) | : | NONE     |
| Solubility In Water                       | : | INSOLUBLE   | Density ( @ 15°C)                | : | >1       |
| Water Content (% wt)                      | : | NONE        | Hazardous Materials              | : | NA       |

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#### 4. FIRE AND EXPLOSION HAZARD DATA

|  |   |  |
|--|---|--|
| Flammability as per USA FLAME PROJECTION TEST (AEROSOLS)       | : | NA   |
| Auto Ignition Temperature                                      | : | NA   |
| Flammability Limits In Air % By Volume                         | : | NA   |
| Flash Point And Method Used (Non Aerosols) (ASTM D92, AND COC) | : | ABOVE 90°C   |
| Extinguisher Media   | : | DRY CHEMICAL<br>OR FOAM AND  |
| Special Fire Fighting Procedures                               | : | WEAR FULL PROTECTIVE<br>EQUIPMENT: EYE/FACE-SHIELD<br>BODY-FULL BUNKER<br>GEAR RESPIRATORY-SCBA<br>COOL CONTAINER WITH<br>WATER SPRAY. |
| Unusual Fire And Explosion Hazards                             | : | REMOVE FROM SOURCE   |

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#### 5. REACTIVITY HAZARD DATA

|                                      |   |  |
|--------------------------------------|---|--|
| Stability                            | : | STABLE                                   |
| Conditions To Avoid                  | : | STRONG HEAT, FLAME, FIRE, SPARKS, ETC... |
| Incompatibility (Materials To Avoid) | : | ACID, ALKALINE OR STRONG OXIDIZING AGENT |
| Hazardous Decomposition Products     | : | NONE                                     |

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#### 6. HEALTH HAZARD DATA

|   |   |   |
|---|---|---|
| Acute Effects   |   |   |
| Inhalation  | : | MILD IRRITATION                         |
| Eye Contact   | : | MILD IRRITATION                         |
| Skin Contact  | : | MILD IRRITATION FOR SENSITIVE SKIN ONLY |
| Ingestion   | : | NONE IF AMOUNT IS NOT SUBSTANTIALLY BIG |
| Chronic Effects                                       | : | NONE                                    |
| Medical Conditions - Generally Aggravated By Exposure | : | NONE                                    |

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#### 7. EMERGENCY FIRST AID PROCEDURES

|              |   |  |
|--------------|---|--|
| Eye Contact  | : | FLUSH WITH PLENTY OF WATER FOR 15 MINUTES, SEEK MEDICAL ATTENTION IF NECESSARY |
| Skin Contact | : | WASH WITH SOAP AND WATER   |
| Inhalation   | : | REMOVE TO OPEN AREA WITH FRESH AIR   |
| Ingestion    | : | SEEK MEDICAL CONSULTATION,   |

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## 8. CONTROL AND PROTECTIVE MEASURES

|   |   |                                 |
|---|---|---------------------------------|
| Respiratory Protection (Specify Type)   | : | NORMAL                          |
| Protective Gloves                       | : | RUBBER                          |
| Eye Protection                          | : | GOGGLES                         |
| Ventilation Requirements                | : | NORMAL                          |
| Other Protective Clothing And Equipment | : | NOT APPLICABLE                  |
| Hygienic Work Practices                 | : | WASH HANDS BEFORE HANDLING FOOD |

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## 9. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken If Material Is Spilled Or Released :  
ABSORB WITH SUITABLE MEDIUM

Other Precautions And / Or Special Hazards :  
KEEP OUT OF REACH OF CHILDREN

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## 10. HANDLING AND STORAGE

Storage Temperature :  
ROOM TEMPERATURE

Transport Temperature :  
AMBIENT

Storage / Transport Pressure :  
ATMOSPHERIC

General Information :  
STORE IN A WELL-VENTILATED AREA AND AVOID DIRECT SUNLIGHT. KEEP AWAY FROM  
OPEN FLAME, SOURCES OF HEAT OR SOURCES OF IGNITION.

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## 11. DISPOSAL CONSIDERATION

Waste Disposal Methods :  
IN ACCORDANCE WITH NATIONAL AND LOCAL REGULATIONS

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## 12. ECOLOGICAL INFORMATION

NA

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## 13. TOXICOLOGICAL INFORMATION

Acute Inhalation :  
MAY CAUSE HEADACHES

Acute Skin Contact :  
LOW ORDER OF TOXICITY

Acute Eye Discomfort :  
MAY CAUSE EYE DISCOMFORT

Acute Ingestion :  
MINIMAL TOXICITY

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#### 14. TRANSPORTATION INFORMATION

Land

THIS PRODUCT IS NOT REGULATED FOR ROAD / RAIL TRANSPORT

Sea

THIS PRODUCT IS NOT REGULATED FOR SEA TRANSPORT

Air

THIS PRODUCT IS NOT REGULATED FOR AIR TRANSPORT

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#### 15. REGULATORY INFORMATION

EC Classification

THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS

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#### 16. OTHER INFORMATION

THIS MSDS HAVE BEEN REVISED IN MAR 2008 TO PROVIDE MORE INFORMATION

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To the best of our knowledge, we believe the statements, technical information and recommendations contained herein are reliable. However, they are given without warranty or guarantee of any kind, express or implied. Users are advised of possible additional danger when the product is used in applications for which it is not intended to. it is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.