

# MATERIAL SAFETY DATA SHEET

SHEET 1 of 4

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY NAME

### NAME OF MANUFACTURER/SUPPLIER:-

CLARKE INTERNATIONAL LTD.  
HEMNALL STREET  
EPPING  
ESSEX  
CM16 4LG

BUSINESS TELEPHONE No : 01992 565300      FAX No : 01992 561562

HEALTH AND SAFETY EMERGENCY TELEPHONE No: 01992 565300

PRODUCT NAME: **Multi-Purpose Grease**

APPLICATION: LUBRICATION  
PRODUCT SUPPLIED FOR USE IN LUBRICATING SYSTEMS ONLY

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

GENERAL: MINERAL OIL THICKENED WITH LITHIUM SOAP, AND CONTAINING EP, ANTI-WEAR, ANTI-OXIDANT, AND CORROSION INHIBITOR ADDITIVES (PLUS POLYMER ADDITIVE FOR TACKY GRADES).

HAZARDOUS INGREDIENTS:-  
NONE

R & S PHRASES:-  
NOT APPLICABLE

CONCENTRATION:-  
NOT APPLICABLE

## 3. HAZARDS IDENTIFICATION

THIS PRODUCT IS NOT CLASSIFIED AS HAZARDOUS UNDER CURRENT UK HEALTH AND SAFETY, AND ENVIRONMENTAL LEGISLATION WHEN USED IN THE APPLICATION FOR WHICH IT IS INTENDED.

PRESSURE INJECTION: INJECTION OF ALL PRODUCTS WILL CAUSE SEVERE INTERNAL DAMAGE IF NOT PROMPTLY TREATED.

SPECIAL HAZARDS OF PRODUCT AFTER USE : NO POTENTIALLY HAZARDOUS COMPONENTS TO CONSIDER.

## 4. FIRST AID MEASURES

EYES : FLUSH EYES THOROUGHLY WITH COPIOUS AMOUNTS OF WATER, UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.

SKIN : WASH WITH LARGE AMOUNTS OF WATER, USING SOAP IF AVAILABLE.

INHALATION: VAPOUR PRESSURE OF THIS MATERIAL IS LOW. INHALATION UNDER NORMAL CONDITIONS IS NOT USUALLY A PROBLEM.

INGESTION : NOT EXPECTED TO BE A PROBLEM. IF SWALLOWED, DO NOT INDUCE VOMITING IF UNCOMFORTABLE, SEEK MEDICAL ADVICE.

PRESSURE INJECTION: ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN THOUGH THE INJURY MAY APPEAR MINOR!

## 5. FIRE FIGHTING MEASURES

FLAMMABILITY : NON-FLAMMABLE

FLASH POINT (°C PMCC) : > 150

EXTINGUISHING MEDIA : FOAM, DRY POWDER, & CO<sub>2</sub>

PRODUCTS OF COMBUSTION: CARBON, OXIDES OF CARBON, AND ZINC.

# MATERIAL SAFETY DATA SHEET

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PRODUCT : **Multi-Purpose Grease**

## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS : SPILT PRODUCT PRESENTS A SIGNIFICANT SLIP HAZARD

AVOID EXPOSURE OF THE PRODUCT TO SOURCES OF IGNITION.

ENVIRONMENTAL PRECAUTIONS : PREVENT ENTRY INTO DRAINS, SEWERS AND WATER COURSES

DECONTAMINATION PROCEDURES : SOAK UP WITH INERT ABSORBENT, OR CONTAIN AND REMOVE BY BEST AVAILABLE MEANS.

## 7. HANDLING AND STORAGE

KEEP CONTAINERS CLOSED WHEN NOT IN USE

PREVENT SLIP HAZARDS

STORAGE TEMPERATURE  $0 > 40^{\circ}\text{C}$

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYES : WEAR SAFETY GLASSES IF THERE IS A RISK OF POSSIBLE EYE CONTACT.

SKIN : USE BARRIER CREAM, WEAR GLOVES, AND OVERALLS IF THERE IS A POSSIBILITY OF PROLONGED SKIN CONTACT.

INHALATION : NO SPECIAL RESPIRATORY PROTECTION IS REQUIRED UNDER NORMAL CONDITIONS OF USE.

INDUSTRIAL HYGIENE : GOOD PERSONAL HYGIENE PRACTICES SHOULD BE FOLLOWED.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : BOTTLE GREEN GREASE

ODOUR : NONE

SPECIFIC GRAVITY @  $20^{\circ}\text{C}$  : 0.96

pH : N/A

SOLUBILITY : INSOLUBLE IN WATER

FLASH POINT (closed cup)  $^{\circ}\text{C}$  : ABOVE 150

FLAMMABILITY LIMIT(in air % by volume) LEL : N/E

UEL: N/E

VAPOUR PRESSURE @  $20^{\circ}\text{C}$  : BELOW 0.1mm Hg.

VAPOUR DENSITY (air = 1) : N/E

BOILING POINT ( $^{\circ}\text{C}$ ) : 310 min.

POUR/MELTING POINT ( $^{\circ}\text{C}$ ) : ABOVE 160

KINEMATIC VISCOSITY @  $40^{\circ}\text{C}$  ( $\text{mm}^2 \text{S}^{-1}$ ): N/A

THESE PROPERTIES DO NOT CONSTITUTE A SPECIFICATION

## 10. STABILITY AND REACTIVITY

THERMAL - STABLE

LIGHT - STABLE

AVOID EXTREME HEAT

INCOMPATIBLE WITH STRONG OXIDISING AGENTS

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PRODUCT : **Multi-Purpose Grease**

## 11. TOXICOLOGICAL INFORMATION

THE FOLLOWING TOXICOLOGICAL ASSESSMENT IS BASED ON A KNOWLEDGE OF THE TOXICITY OF THE PRODUCT'S COMPONENTS.

ESTIMATED ORAL LD50 RAT > 2g/kg.

HEALTH EFFECTS

ON EYES : MAY CAUSE TRANSIENT IRRITATION

ON SKIN : UNLIKELY TO CAUSE HARM ON BRIEF OR OCCASIONAL CONTACT

BY INHALATION : LOW VOLATILITY MAKES INHALATION UNLIKELY AT AMBIENT TEMPS.

BY INGESTION : MAY CAUSE NAUSEA, VOMITING, AND DIARRHOEA

CHRONIC : REPEATED AND PROLONGED SKIN CONTACT MAY LEAD TO SKIN DISORDERS

OTHER : PRODUCTS WHICH HAVE BECOME CONTAMINATED IN USE OR FROM EXTERNAL SOURCES MAY PRESENT MORE SERIOUS HEALTH EFFECTS

## 12 ECOLOGICAL INFORMATION

BIODEGRADABILITY: N/E

CHEMICAL OXYGEN DEMAND (mg. O<sub>2</sub>/litre): N/E

LUBRICATING GREASES ARE INHERENTLY, BUT NOT READILY, BIODEGRADABLE.

## 13. DISPOSAL RECOMMENDATIONS

PLACE USED AND CONTAMINATED MATERIALS/PACKAGING IN SUITABLE CONTAINERS. DISPOSE OF THE CONTROLLED WASTE IN ACCORDANCE WITH DUTY OF CARE (ENVIRONMENTAL PROTECTION ACT 1990 - SECTION 34 (7)) USING A LICENSED WASTE DISPOSAL COMPANY.

## 14. TRANSPORT INFORMATION

CLASSIFICATION FOR TRANSPORT:- NOT CLASSIFIED AS HAZARDOUS FOR TRANSPORT

UN NUMBER : NONE

PACKAGING GROUP: NOT APPLICABLE

SHIPPING NAME : NOT APPLICABLE

IMO CLASS : NOT APPLICABLE

MARINE POLLUTANT : NO

ADR/RID : NOT APPLICABLE

ICAO/IATA: NOT APPLICABLE

## 15 REGULATORY INFORMATION

HAZARD LABEL DATA : THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS FOR SUPPLY IN THE UK.

EC DIRECTIVES : FRAMEWORK WASTE DIRECTIVE, 91/156/EEC

WASTE OIL DIRECTIVE, 87/101/EEC

STATUTORY INSTRUMENTS : THE HEALTH AND SAFETY AT WORK etc.ACT 1974

CONSUMER PROTECTION ACT 1987

ENVIRONMENTAL PROTECTION ACT 1990

CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGS.1988

THE CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGS. 1996

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PRODUCT : **Multi-Purpose Grease**

## 16. OTHER INFORMATION

THE DATA AND ADVISE GIVEN APPLY WHEN THE PRODUCT IS SOLD FOR THE STATED APPLICATION OR APPLICATIONS. THE PRODUCT IS NOT SOLD AS SUITABLE FOR ANY OTHER APPLICATION. USE OF THE PRODUCT FOR APPLICATIONS OTHER THAN AS STATED IN THIS SHEET MAY GIVE RISE TO RISKS NOT MENTIONED IN THIS SHEET. YOU SHOULD NOT USE THE PRODUCT OTHER THAN FOR THE STATED APPLICATION OR APPLICATIONS WITHOUT SEEKING ADVICE FROM US.

IF YOU HAVE PURCHASED THE PRODUCT FOR SUPPLY TO A THIRD PARTY FOR USE AT WORK, IT IS YOUR DUTY TO TAKE ALL NECESSARY STEPS TO SECURE THAT ANY PERSON HANDLING OR USING THE PRODUCT IS PROVIDED WITH THE INFORMATION IN THIS SHEET.

IF YOU ARE AN EMPLOYER, IT IS YOUR DUTY TO TELL YOUR EMPLOYEES AND OTHERS WHO MAY BE AFFECTED OF THE HAZARDS DESCRIBED IN THIS SHEET AND OF ANY PRECAUTIONS WHICH SHOULD BE TAKEN.

APPROVED CODES OF PRACTICE : WASTE MANAGEMENT. THE DUTY OF CARE.

GUIDANCE NOTES : OCCUPATIONAL SKIN DISEASES: HEALTH AND SAFETY PRECAUTIONS (EH26)  
OCCUPATIONAL EXPOSURE LIMITS (EH40)  
THE CARCINOGENICITY OF MINERAL OILS (EH58)  
SKIN CANCER CAUSED BY OIL [MS(B)5]  
SAVE YOUR SKIN! - OCCUPATIONAL CONTACT DERMATITIS {MS(B)6}  
DERMATITIS - CAUTIONARY NOTICE [SHW367]  
EFFECTS OF MINERAL OIL ON THE SKIN [SHW397]

THE ABOVE PUBLICATIONS ARE AVAILABLE FROM HSE.

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