C.P.Lubricants Ltd

Manufacturers of **LubeMaster** Products

Suppliers of Lubricants

Drivers Wharf, Northam Road, Southampton, SO14 0PF

Tel: 023-80337800, Fax: 023-80337801, Mobile: 07850-503546. www.cplubricants.co.uk

PRODUCT SAFETY INFORMATION
NEAT LUBRICATING OILS

PRODUCTS INCLUDED

Engine Oil range: Endurance, TurboMaster, FreightMaster, DieselMaster, Classic, FarmMaster, PlantMaster and the HD & SD range of crankcase lubricants. Automotive Gear Oil range: All Monograde products i.e.: SAE 80 or 90 and EP 80 or 90

PRODUCT DESCRIPTION

This group covers: Lubricants based on Synthetic or highly refined mineral oils.

COMPOSITION INFORMATION

These products are based on highly refined Synthetic or mineral oil with additives.

NATURE OF HAZARDS

Synthetic & Mineral oils are generally low hazard products. They may cause slight temporary irritation if splashed in the eye. They may cause slight skin irritation following frequent or prolonged skin contact.

PHYSICAL PROPERTIES

Appearance/State @ 20 Deg C	Clear/brown liquid
Odour	Mild
Specific Gravity @ 15.6 Deg C	Generally within the range of 0.87-0.95
Acidity/Alkalinity	Not Applicable
pH Product	Not Applicable
pH Usage Concentration	Not Applicable-immiscible with water
Freezing/Melting Point	< 0 Deg C. Pour point depends on grade classifications
Pouring Point	- 18 Deg. C. depending on viscosity
Boiling Point/Range Deg C	> 250 Deg. C.

PRODUCT SAFETY INFORMATION
NEAT LUBRICATING OILS

Vapour Pressure @ 20 Deg C	< 0.01 mm Hg
Vapour Density (air=1)	Not Applicable
Evaporation rate	Not Applicable
Miscibility with water	Immiscible
Miscibility with solvents	Miscible with petroleum solvents

FIRE DATA

Flash Point (C) and Method	High flash point (>250 Deg. C.) products (Closed cup)
Autoignition Temperature Deg C	> 200
Flammability Limits	1.5 to 6% (volume % in air)
Products of Combustion	Combustion products consist mainly of oxides of carbon and water vapour, with unidentified organic compounds
Special Fire/Explosion Hazards	Large surface areas exposed to air/oxygen (E.G.: oil soaked rags, paper or absorbed spill ages) may be easily ignited and these should be cleared up at once.
Special Fire Fighting Procedures	Fire-fighters should enter area wearing self-contained breathing apparatus. Do not spray directly into storage container due to boil over danger.
Extinguishing Agents	Foam, Dry Powder, Carbon Dioxide and Halon. DO NOT USE WATER

STORAGE INFORMATION

Storage Temperature Deg C	Recommended 0 to 40
Storage Precautions	No special requirements, avoid elevated temperatures
Suitable Materials/Coatings	Most common metals are suitable for storage
Unsuitable Materials/Coatings	Product may soften some rubbers

REACTIVITY & THERMAL DECOMPOSITION DATA

Stability	Stable Material
Hazardous Polymerisation	Will not occur
Known Dangerous Reactions	None known

PRODUCT SAFETY INFORMATION
NEAT LUBRICATING OILS

Reaction with water	None
Materials to avoid	Strong oxidising agents
Conditions to avoid	Extreme temperatures
Decomposition Temperature Deg C	> 100
Dangerous decomposition products	significant concentrations of hazardous decomposition products are not expected

SPILLAGE & DISPOSAL INFORMATION

Released or spilled	Use absorbent material. Wash down area
Waste disposal methods	Incinerate or land dump at appropriate site in accordance with local regulations. Some used oils may be reclaimed by specialist contractors.
Specific Disposal Restrictions	There may be local authority restrictions on mineral oil
Environmental information	Avoid contamination of drains, sewers and water courses

TOXICOLOGICAL/OCCUPATIONAL HEALTH DATA

Oral LD50 (mg/Kg body weight)	> 5000 (rats, expected LD50)
Dermal LD50 (mg/Kg body weight)	> 3000 (rabbits, expected LD50)
Inhalation LC50 (mg/litre)	No data
Occupational exposure limits	5 mg/m3 (oil mists)

EFFECTS OF OVER-EXPOSURE

Eye Contact

May cause temporary irritation, smarting and discomfort. Permanent tissue damage is not expected.

Skin Contact

These products are generally non-irritant on incidental contact, however excessive or prolonged contact with mineral oil products can give rise to blockage of hair follicle and skin pores, inflammation and slight irritation.

PRODUCT SAFETY INFORMATION
NEAT LUBRICATING OILS

Inhalation
Harmful concentrations of vapour do not normally arise except where high temperatures or atomising systems are involved. Under such conditions inhalation in high enough concentrations may cause irritation in lungs and possible respiratory damage.

Ingestion
In the unlikely event of swallowing : nausea, discomfort and irritation may result. Aspiration into the lungs (direct or during subsequent vomiting) can cause local irritation of lung tissue which may give rise to chemically induced pneumonia - children are more susceptible than adults.

Carcinogenicity
No carcinogenic effects are normally associated with these products - they are manufactured from highly refined base oil stocks to minimise any risk and in accordance with current petroleum industry, UKPIA, CONCAWE and IARC guidance are not classified as carcinogenic materials.

Other Chronic Toxic Effects
There are no reports of long term adverse toxic effects in man attributable to the use of this type of product**.**

RECOMMENDED FIRST AID

Eye contact
Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

Skin Contact
Wash with soap or approved skin cleanser and water. Remove heavily contaminated clothing. Where skin rashes or other abnormalities occur as a result of excessive contact, medical advice should be obtained.

Inhalation
In the event of discomforting effects produced by over-exposure, remove to fresh air. If effects persist obtain medical attention. NOTE : While the recommended exposure limit for oil mists is 5 mg/m3 it is generally advisable to control exposures below 2 to 3 mg/m3 in order to minimise nuisance and discomfort complaints.

PRODUCT SAFETY INFORMATION
NEAT LUBRICATING OILS

Ingestion
Milk or water to drink may be beneficial. **DO NOT INDUCE VOMITING.** Main hazard is aspiration into the lungs during or following ingestion, children being more susceptible than adults. If this occurs e.g. during vomiting, send to hospital immediately.

Notes to Doctors
Treat symptomatically. Aspiration may cause severe pneumonitis requiring antibiotic and corticosteroid therapy.

SPECIAL PROTECTION INFORMATION

Respiratory Protection	Not normally required
Eye/Face Protection	Eye goggles are suitable
Hand Protection	PVC/Synthetic rubber gloves are suitable
Body Protection	Normal Clean industrial overalls
Other Protection	May need local extraction if mists are generated
Ventilation type	General ventilation
Additional Handling Data	Avoid unnecessary skin contact. The use of suitable skin barrier cream can be beneficial. Observe good standards of personal hygiene. Keep exposure to oil mists and fumes to a minimum.

PACKAGING, LABELLING AND TRANSPORT CLASSIFICATIONS

UK/EEC Supply Class	Not classified
UN Classifications/Shipping Name	Not Classified
UK 'PG' Packaged Goods Regulations	these products are not classified as being hazardous for transportation.

ADDITIONAL INFORMATION

During some service conditions, for example those involving high fluid temperatures or where the product is used in combination with other materials or in any process. It is the responsibility of the user to decide whether the information is suitable and complete for the user's particular use. All physical data and characteristics are given to enable the user to design suitable control and other health and safety measures, they are presented as a guidance for this purpose only, and may NOT necessarily represent typical or specification values.
Updated: 28/9/99