Safety Data Sheet

Masterlube 32

The Oilman Group PTY LTD

1. Identification

GHS Product Identifier Masterlube 32

Intended Application Hydraulic Fluid

Health Emergency Number 13 11 26
Poison Hotline

Date Of Issue 15-02-2020

Company Identification

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2. Hazards Identification

Not hazardous according to regulatory guidelines.

GHS

Signal Word No signal word.

Hazard Statements No known significant effects or critical hazards.

Other Hazard Information

Physical / Chemical Hazards No significant hazards

Environmental Hazards No significant hazards

Other Hazards Which Do Not Result In Classification De-fatting to the skin.
Note: High-pressure injection under skin may cause serious damage. Excessive exposure may result in skin, eye or respiratory irritation.

3. Composition / Information On Ingredients

Defined as a mixture.

Name	% (w/w)
Highly Refined Base Oil	> 90
Other Ingredients (Performance Additives)	< 10

No Reportable Hazardous Substances or Complex Substances.
All components are registered in accordance with the Australian Inventory of Chemical Substances.

4. First Aid Measures

Inhalation	Vapour inhalation under ambient conditions is normally not a problem. If overcome by vapour from hot product, immediately remove from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties, oxygen could be necessary. Seek medical attention if any discomfort continues.
Ingestion	**Do not induce vomiting.** Not expected to be a problem if ingested. Seek medical attention if discomfort occurs.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention if any discomfort continues.
Eyes	Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues

5. Fire Fighting Measures

Fire / Explosion Hazard	Combustible. Not flammable under normal conditions of use.
Flash Point °C	210°C COC (Cleveland open-cup).
Flammable Limits (approx volume % in air)	LEL: 0.9 UEL: 7.0
Suitable Extinguishing Media	Use: Carbon dioxide (CO2). Dry chemicals, foam, water fog.
Inappropriate Extinguishing Media	Water jet
Fire Fighting Procedures	Water or dry foam may cause frothing. Use water to keep fire-exposed containers cool and disperse vapours. Water spray could be used to flush spills away from exposures. Keep run-off water out of sewers and water sources.
Specific Hazards	Pressure will increase in over heated, closed containers which may cause it to burst.
Protective Measures In The Event Of Fire	Positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental Release Measures

Personal Protection	Minimise skin contact. Do not walk through spilt material. Put on appropriate personal protective equipment.
Environmental Protection	Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers ,watercourses or extensive land areas. Assure conformity with applicable government regulations.
Small Spill	Stop leak if you can do so without risk. Move containers from spill area. Absorb on non-combustible, absorbent material e.g. treated sawdust, earth, sand, vermiculite, diatomaceous earth etc. and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large Spill	Stop leak if you can do so without risk. Move containers from spill area. Prevent entry into sewers and watercourses. Absorb on non-combustible, absorbent material e.g. treated sawdust, earth, sand, vermiculite, diatomaceous earth etc. and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7. Handling And Storage

Protective Measures Put on appropriate personal protective equipment.

Occupational Hygiene Smoking should be prohibited in areas where this material is handled or stored. Wash thoroughly after handling, remove contaminated clothing and protective equipment before entering eating areas.

Safe Storage Store in original container, protected from direct sunlight in a dry, cool and well ventilated area away from incompatible materials. Keep container tightly closed and sealed until ready for use. Carefully reseal opened containers and keep them upright to prevent leakage.
Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection

Highly Refined Base Oil **Safe Work Australia**
TWA: 5 mg/m3. Form: Oil mist, mineral

Limits / Standards show for guidance only. Follow applicable regulations.

Engineering Controls No special requirements under ordinary conditions of use and with adequate ventilation. Personal protective equipment should conform to appropriate standards, be suitable for use and be properly maintained in good condition.

Environmental Exposure Controls Comply with applicable environmental regulations limiting discharge to air, water and soil. In some cases, fume scrubbers, filter or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Personal Protection **Select personal protective equipment based on the task being performed.**

Hand Protection Wear protective gloves if prolonged or repeated contact is likely.
Wear chemical resistant gloves e.g. Nitrile, Viton. The types of gloves to be considered are dependant on specific use conditions.

Eye Protection If contact is likely (e.g. splash back), safety glasses with side shields are recommended.

Skin Protection No skin protection is ordinarily required under normal conditions of use.
Light superficial contamination that will not soak through to the skin, cotton or polyester / cotton overalls can be used. Wash on a regular basis.

If the risk of skin exposure is high due to splashing or cleaning up of spillages, chemical resistance aprons or impervious chemical suits and boots will be required.

Respirators No special requirements under ordinary conditions of use and with adequate ventilation.
In the case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection, use and maintenance must be in accordance with regulatory requirements.

For high airborne concentrations, use an approved supplied air respirator. operated in positive pressure mode.

Hygiene Work Practices Wash after handling the material and before eating, drinking and/or smoking. Wash contaminated clothing before reusing. Discard contaminated clothing and footwear that cannot be cleaned.

9. Physical And Chemical Properties

Appearance		**Solubility in Water (g/L)**	Negligible
Physical State	Liquid	**Partition coefficient:**	>3.5 [Estimated]
Colour	Light Amber	**n-Octanol/Water**	
Odour	N/A	**Pour Point °C**	- 27
pH	N/A	**Melting Point °C**	N/A
Density at 15ºC	0.87	**Boiling Point °C**	N/A
Viscosity at 40°, cSt	32	**Flash Point °C**	>210 Cleveland Open Cup
Viscosity at 100°, cSt	5.28	**Decomposition Temp**	N/D
Vapour Pressure	N/A	**Auto-ignitionn Temp**	N/D
Vapour Density	N/A	**Flammability (Solid, Gas)**	N/A
DMSO Extract, IP-346	< 3% wt	**Flammable Limits (approx. vol % in air)**	LEL: 0.9 UEL: 7.0

10. Stability And Reactivity

Stability Stable under normal conditions.

Conditions To Avoid Excessive heat. Possible sources of ignition.

Hazardous Reactions Hazardous polymerization will not occur.

Incompatible Materials Strong Oxidisers

Hazardous Decomposition Products Material does not decompose under normal conditions.

11. Toxicological Information

Route Of Entry Inhalation. Skin and/or eye contact. Ingestion.

Potential Acute Health Effects

- **Eye Contact** Minimally toxic. No known significant effects.
- **Inhalation** Minimally toxic, vapour inhalation under ambient conditions is not normally a problem due to low vapour pressure.
- **Ingestion** Minimally toxic. No known significant effects.
- **Skin Contact** May cause skin dryness and irritation.

Symptoms

- **Eye Contact** May cause mild, short lasting discomfort to eyes.
- **Inhalation** No specific data.
- **Ingestion** No specific data.
- **Skin Contact** Adverse symptoms may include; irritation, dryness or cracking.

Delayed and Immediate effects from short and longer term exposure

- **Eye Contact** Potential risk of transient stinging or redness if accidental eye contact occurs.
- **Inhalation** Overexposure to the inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
- **Skin Contact** Prolonged or repeated contact can de-fat the skin and lead to irritation, cracking and/or dermatitis.
- **Ingestion** Ingestion of large quantities may cause nausea and diarrhoe.
  - **General** No known significant effects.
  - **Carcinogenicity** No known significant effects.
  - **Mutagenicity** No known significant effects.
  - **Fertility Effects** No known significant effects.
  - **Teratogenicityl** No known significant effects.
  - **Developmental Effects** No known significant effects.

12. Ecological Information

Ecotoxicity	This material is not expected to be harmful to aquatic organisms
Mobility	Low solubility. Floats on water surfaces and is expected to migrate from water to the land. Spillages may penetrate the soil causing ground water contamination.
Persistence And Degradability	Base oil component expected to be inherently biodegradable.
Bioaccumulation Potential	This product is not expected to bioaccumulate through food chains in the environment.

13. Disposal Considerations

Disposal must be in accordance with current applicable local, state and federal regulations.

Disposal Methods

Significant quantities of waste product should be processed in a suitable treatment plant. Dispose of surplus products via a licensed waste disposal contractor.

Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery or disposal through qualified or licensed contractors.

Empty containers or liners may retain some product residues. Do not attempt to refill or clean containers without proper instructions. Avoid skin contact with used material.

14. Transport Information

Land Transport (ADG)

Land Transport Notes	Not regulated
Environmental Hazards	No

Sea Transport (IMDG)

Sea Transport Notes	Not regulated
Environmental Hazards	No

Air Transport (IATA)

Air Transport Notes	Not regulated
Environmental Hazards	No

15. Regulatory Information

This product is not considered hazardous according to Australia Model Work Health and Safety Regulations

This product is not regulated according to Australian Dangerous Goods Code.

No Poison Schedule number allocated by the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act.

AS1940 Combustible Class: C2

Regulatory Status Australia (AICS)	All components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or are exempt from AICS requirements.

16. Other Information

Abbreviations and Acronyms	ADG: Australian Dangerous Goods, GHS: Global Harmonized System of Classification and Labelling of Chemicals, IMDG: International Maritime Dangerous Goods, IATA: International Air Transport Association N/A: Not Applicable, N/D: Not/Determined, TWA: Time-Weighted Average
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Date Of Issue	15-02-2020
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