

1. Identification

Product identifier	HyGold L500
Other means of identification	
CAS number	64742-52-5
Recommended use	Metalworking Fluids, Industrial Lubricants, Grease Manufacturing, Hydraulic Oils, Gear Oils, Heavy Duty Engine Oil, Bar & Chain, Carriers & Diluents, Engine Oil.
Recommended restrictions	None known.
Manufacturer/Importer/Supplier/Distributor information	
Company:	Ergon, Inc.
Address:	P.O. Box 1639 Jackson, MS 39215
E-mail:	sds@ergon.com
Emergency Contacts	
Customer service:	1-800-222-7122
CHEMTREC:	1-800-424-9300 After Business Hours (North America Only) 1-703-527-3887 After Business Hours (International)

2. Hazard identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
Label elements	
Hazard symbol	None.
Signal word	None.
Hazard statement	The substance does not meet the criteria for classification.
Precautionary statement	
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental information	None.
Other hazards	None known.

3. Composition/information on ingredients**Substances**

Chemical name	Common name and synonyms	CAS number	%
Distillates (petroleum), hydrotreated heavy naphthenic		64742-52-5	≤100
Composition comments	Note L - Not classified as a carcinogen. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.		

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
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Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation. Defatting of the skin.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Halon. Dry chemicals. Foam. Carbon dioxide (CO2). Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use pressurised air mask if product is involved in a fire.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). The product is immiscible with water and will spread on the water surface.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13. The product is insoluble in water.

7. Handling and storage

Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Avoid prolonged exposure. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Keep away from heat, sparks and open flame. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values (TLV)			
Additional components	Type	Value	Form
Oil mist, mineral	TWA	5 mg/m3	Inhalable fraction.
Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended			
Additional components	Type	Value	Form
Oil mist, mineral	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)			
Additional components	Type	Value	Form
Oil mist, mineral	TWA	1 mg/m3	Mist.
Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended			
Additional components	Type	Value	Form
Oil mist, mineral	TWA	5 mg/m3	Inhalable fraction.
Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)			
Additional components	Type	Value	Form
Oil mist, mineral	TWA	5 mg/m3	Inhalable fraction.
Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended			
Additional components	Type	Value	Form
Oil mist, mineral	TWA	5 mg/m3	Inhalable fraction.
Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended			
Additional components	Type	Value	Form
Oil mist, mineral	TWA	5 mg/m3	Inhalable dusts and mists.
Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended			
Additional components	Type	Value	
Oil mist, mineral	15 minute	10 mg/m3	
	8 hour	5 mg/m3	
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.		
Individual protection measures, such as personal protective equipment			
Eye/face protection	Wear safety glasses with side shields (or goggles).		
Skin protection			
Hand protection	Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.		
Other	Wear appropriate chemical resistant clothing.		
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.		
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.		
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.		

9. Physical and chemical properties

Physical state	Liquid.
Form	Liquid.
Colour	Light amber to golden.
Odour	Mild Petroleum Odor
Melting point/freezing point	-31 °C (-23.8 °F) ASTM D5950/ISO 3016
Boiling point or initial boiling point and boiling range	323 °C (613.4 °F) ASTM D2887/ ISO 3294
Flammability	Will burn if involved in a fire.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not determined.
Explosive limit – upper (%)	Not determined.
Flash point	218.0 °C (424.4 °F) Cleveland open cup ASTM D92/ ISO 2719/ IP36 198.0 °C (388.4 °F) Pensky-Martens Closed Cup ASTM D 93
Auto-ignition temperature	>315.56 °C (>600 °F) ASTM E659
Decomposition temperature	Not determined.
pH	Not applicable.
Kinematic viscosity	94.2 - 103 cSt ASTM D445 (40 °C (104 °F))
Solubility	
Solubility (water)	Insoluble in water.
Partition coefficient (n-octanol/water) (log value)	Not applicable.
Vapour pressure	Not determined.
Density and/or relative density	
Relative density	0.916 (15.6 °C (60.08 °F) ASTM D 4052/ ISO 12185)
Vapour density	>5
Particle characteristics	
Particle size	Not applicable, material is a liquid.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Defatting of the skin. Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity

Product	Species	Test Results
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)		
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg, 24 Hours
Inhalation		
LC50	Rat	> 5000 mg/m ³ , 4 Hours
Oral		
LD50	Rat	> 5000 mg/kg
Skin corrosion/irritation		Prolonged skin contact may cause temporary irritation. May cause defatting of the skin, but is neither an irritant nor a sensitizer.
Serious eye damage/eye irritation		Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitisation		
Respiratory sensitisation		Not a respiratory sensitisier.
Skin sensitisation		This product is not expected to cause skin sensitisation.
Germ cell mutagenicity		No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity		Not classifiable as to carcinogenicity to humans.
ACGIH Carcinogens		
Highly refined mineral oil (CAS -)		A4 Not classifiable as a human carcinogen.
Canada - Manitoba OELs: carcinogenicity		
Highly refined mineral oil (CAS -)		Not classifiable as a human carcinogen.
Canada - New Brunswick OELs: Carcinogen category		
Highly refined mineral oil (CAS -)		A4: Not classifiable as a human carcinogen
Canada - Quebec OELs: Carcinogen category		
Highly refined mineral oil (CAS -)		Suspected carcinogenic effect in humans.
IARC Monographs. Overall Evaluation of Carcinogenicity		
Highly refined mineral oil (CAS -)		3 Not classifiable as to carcinogenicity to humans.
Reproductive toxicity		This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure		Not classified.
Specific target organ toxicity - repeated exposure		Not classified.
Aspiration hazard		Not an aspiration hazard.
Chronic effects		Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Not inherently biodegradable.
Bioaccumulative potential	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
Mobility in soil	No data available.
Other adverse effects	Oil spills are generally hazardous to the environment.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

TDG	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

15. Regulatory information

Canadian regulations	<p>This product is classified in accordance with WHMIS 2015 Regulations. This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.</p> <p>This SDS complies with the Canadian Hazardous Products Regulations (SOR/2015-17), last amended December 15, 2022.</p>
Canada Controlled Drugs and Substances Act, Schedule I	Not regulated.
Canada Controlled Drugs and Substances Act, Schedule II	Not regulated.
Canada Controlled Drugs and Substances Act, Schedule III	Not regulated.
Canada Controlled Drugs and Substances Act, Schedule IV	Not regulated.
Canada Controlled Drugs and Substances Act, Schedule V	Not regulated.
Canada Controlled Drugs and Substances Act, Schedule VI	Not regulated.
Canada Controlled Drugs and Substances Act, Schedule VII	Not regulated.
Canada Controlled Drugs and Substances Act, Schedule VIII	Not regulated.
Export Control List (CEPA 1999, Schedule 3)	Not listed.
Greenhouse Gases	Not listed.
Precursor Control Regulations	Not regulated.
International regulations	<p>This product is classified and labelled in accordance with Regulation (EC) No 1272/2008 (CLP), including the amendments introduced by Delegated Regulation (EU) 2023/707. This Safety Data Sheet has been compiled in accordance with Regulation (EC) No 1907/2006 (REACH), as amended by Commission Regulation (EU) 2020/878.</p>
Stockholm Convention	Not listed.
Rotterdam Convention	Not listed.
Kyoto Protocol	Not listed.

Montreal Protocol

Not listed.

Basel Convention

Not listed.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information**Issue date** 02-January-2026**Version No.** 01**Disclaimer**
Ergon Refining, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.