

# SAFETY DATA SHEET



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

<b>Identification of the substance/preparation</b>	<b>HYGOLD L2000</b>
<b>Use of the substance/preparation</b>	Engine oil base stocks; Blending stocks for metalworking oils; Carriers and diluents; Grease manufacturing; Hydraulic oil base stocks; Industrial lubricants; ATF fluids (type A specification); Lubricants; Metalworking oils for straight cutting oils and solubles
<b>Version #</b>	00
<b>Revision date</b>	08-11-2011
<b>CAS #</b>	64742-52-5
<b>Manufacturer:</b>	Ergon Refining, Inc. 2611 Haining Rd Vicksburg, Mississippi 39181
<b>EU Contact:</b>	Per Klintstam; (phone) +32.2.351.23.75; (e-mail) per.klintstam@ergon.com Drève Richelle 161 Building C B-1410 Waterloo, Belgium
<b>US Contact:</b>	Will Poe; (phone) 1.601.630.8319; (e-mail) will.poe@ergon.com
<b>Emergency Phone Numbers:</b>	
<b>Ergon Refining, Inc.:</b>	1.601.638.4960 Normal Business Hours
<b>Chemtrec:</b>	1.800.424.9300 After Business Hours (North America) 1.703.527.3887 (International)

## 2. HAZARDS IDENTIFICATION

<b>Physical hazards</b>	Not classified as a physical hazard.
<b>Health hazards</b>	Not classified as a health hazard.
<b>Environmental hazards</b>	Not classified as an environmental hazard.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Classification	CAS-No.	%	EC-No. / REACH Registration No.	Notes
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC		64742-52-5	< 100	265-155-0 01-2119467170-45-0017	

67/548: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

#: This substance has workplace exposure limit(s).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

## 4. FIRST AID MEASURES

<b>Inhalation</b>	Move to fresh air. Oxygen or artificial respiration if needed. IF exposed or concerned: Get medical advice/attention.
<b>Skin contact</b>	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical attention.
<b>Eye contact</b>	Flush thoroughly with water. If irritation occurs, get medical assistance.
<b>Ingestion</b>	Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.

## 5. FIRE-FIGHTING MEASURES

<b>Fire fighting equipment/instructions</b>	Cool containers exposed to flames with water until well after the fire is out. Wear suitable protective equipment. Use pressurized air mask if product is involved in a fire.
<b>Suitable extinguishing media</b>	Halon. Dry chemicals. Foam. Carbon dioxide (CO2). Water spray or fog.
<b>Unusual fire &amp; explosion hazards</b>	Do not use forced stream as this could cause fire to spread.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions</b>	Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Contact local authorities in case of spillage to drain/aquatic environment.
<b>Containment procedures</b>	Stop the flow of material, if this is without risk. Contain the discharged material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.
<b>Methods for cleaning up</b>	Small Liquid Spills: Absorb up with sand or other non-combustible absorbent material. Attempt to reclaim the free product, if this is possible.

## 7. HANDLING AND STORAGE

<b>Handling</b>	All handling to take place in well-ventilated area. Wash hands after handling and before eating. Shower after work. Remove and wash contaminated clothing promptly.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limit values

#### Belgium

Material	Type	Value	Form
HYGOLD L2000 (64742-52-5)	STEL	10.0000 mg/m3	Mist.
	TWA	5.0000 mg/m3	Mist.

#### Denmark

Material	Type	Value	Form
HYGOLD L2000 (64742-52-5)	TLV	1.0000 mg/m3	Mist.

#### Italy

Material	Type	Value	Form
HYGOLD L2000 (64742-52-5)	TWA	5.0000 mg/m3	Inhalable fraction.

#### Netherlands

Material	Type	Value	Form
HYGOLD L2000 (64742-52-5)	TWA	5.0000 mg/m3	Mist.

#### Spain

Material	Type	Value	Form
HYGOLD L2000 (64742-52-5)	STEL	10.0000 mg/m3	Mist.
	TWA	5.0000 mg/m3	Mist.

#### Sweden

Material	Type	Value	Form
HYGOLD L2000 (64742-52-5)	STEL	3.0000 mg/m3	Mist.
	TWA	1.0000 mg/m3	Mist.

<b>Exposure controls</b>	Adequate ventilation should be provided so that exposure limits are not exceeded.
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### Occupational exposure controls

**Respiratory protection** Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hand protection** Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

**Eye protection** Goggles/face shield are recommended.

**Skin and body protection** Wear appropriate chemical resistant gloves. Chemical/oil resistant clothing is recommended.

<b>Hygiene measures</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clean & bright
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<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Amber.
<b>Odor</b>	Mild Petroleum Odor
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Boiling point</b>	> 700 °F (> 371,1 °C)
<b>Flash point</b>	> 470 °F (> 243,3 °C) Cleveland Open Cup
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Viscosity</b>	383 cSt @ 104 °F (40 °C)
<b>Vapor density</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Auto-ignition temperature</b>	> 600 °F (> 315,6 °C)
<b>Specific gravity</b>	0,92
<b>VOC</b>	Not available.
<b>Pour point</b>	< 30 °F (< -1,1 °C)
<b>Molecular weight</b>	507

## 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	Heat, sparks, flames.
<b>Hazardous decomposition products</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Stability</b>	Stable under normal temperature conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Chronic toxicity</b>	Not expected to be hazardous by WHMIS criteria.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Reproductivity</b>	Contains no ingredient listed as toxic to reproduction
<b>Epidemiology</b>	No epidemiological data is available for this product.
<b>Further information</b>	This product has no known adverse effect on human health.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	This product has no known eco-toxicological effects. Not expected to be harmful to aquatic organisms.
<b>Environmental effects</b>	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence / degradability</b>	Not readily degradable.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</b>	Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Offer rinsed packaging material to local recycling facilities.

**EU wastecodes**

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**14. TRANSPORT INFORMATION****ADR**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**General**

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

**15. REGULATORY INFORMATION****Labeling****Other regulations**

The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

**16. OTHER INFORMATION****Further information**

HMIS® is a registered trade and service mark of the NPCA.

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	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
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)

**Bibliography**

Chemical Abstracts Service Registry Handbook  
 CRC: Handbook of Chemistry and Physics  
 EFFA. Chemicals and Natural Complex Substances with No Labeling Requirements (European Flavour & Fragrance Association Code of Practice, Attachments 4 and 5)  
 EFFA. Classification and Labeling of Chemicals and Natural Complex Substances (European Flavour & Fragrance Association Code of Practice, Attachments 1 and 2)  
 Global Automotive Declarable Substances List (GADSL), Version 1.0  
 ILO Safety Cards  
 International Labour Organization  
 International Maritime Organization Marine Pollutants List  
 NFPA Hazardous Chemical Data Sheets  
 NIOSH Pocket Guide  
 Registry of Toxic Effects of Chemical Substances (RTECS)  
 US DOT Hazardous Materials Regulations  
 Japan. Industrial Safety & Health Law (ISHL) List  
 Korea. Toxic Chemicals (TCCL Article 10)  
 ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices  
 ACGIH  
 Korea. Toxic Release Inventory (TRI) Chemicals (TCCL Article 14)  
 Japan. OELs - ISHL. (Workplace Environment Assessment Standards)  
 Japan. Ozone Depleting Substances (Enforcement Order of the Law Concerning Protection of the Ozone Layer through Control of Specified Substances, Ordinance No. 308, as amended)  
 Japan. OELs - JSOH. (Japan Society of Occupational Health: Advisory Opinion on Permissible [Exposure] Limits)  
 IARC Monographs. Overall Evaluation of Carcinogenicity

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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