

SAFETY DATA SHEET



Section 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name or designation of the mixture HYGOLD L500
Registration number 01-2119467170-45-0017
Synonyms None.
Date of first issue 11-08-2011
Version number 02
Revision date 13-01-2012
Supersedes date 11-08-2011

Relevant identified uses of the substance or mixture and uses advised against

Identified uses 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
Uses advised against None known.

Details of the supplier of the safety data sheet

Manufacturer: Ergon Refining, Inc.
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Vicksburg, Mississippi 39181
EU Contact: Per Klintstam; (phone) +32.2.351.23.75; (e-mail) per.klintstam@ergon.com
Drève Richelle 161 Building C
B-1410 Waterloo, Belgium
US Contact: Will Poe; (phone) 1.601.630.8319; (e-mail) will.poe@ergon.com
Emergency Phone Numbers:
Ergon Refining, Inc.: 1.601.638.4960 Normal Business Hours
Chemtrec: 1.800.424.9300 After Business Hours (North America)
1.703.527.3887 (International)

Section 2: Hazards identification

Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

This preparation does not meet the criteria for classification according to Directive 1999/45/EC as amended.

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

Hazard summary

Physical hazards Not classified for physical hazards.
Health hazards Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.
Environmental hazards Not classified for hazards to the environment.
Specific hazards No hazards resulting from the material as supplied.
Main symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements

Prevention Not available.
Response Not applicable.
Storage Not available.
Disposal Not applicable.

Supplemental label information Not applicable.

Other hazards Not assigned.

Section 3: Composition/information on ingredients

Mixture

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC	100	64742-52-5 265-155-0	01-2119467170-45-0017	649-465-00-7	

Classification: **DSD:** -

CLP: -

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.

Composition comments Not applicable.

Section 4: First aid measures

General information Contact physician if discomfort continues.

Description of first aid measures

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. IF exposed or concerned: Get medical advice/attention.

Skin contact 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.

Eye contact Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.

Most important symptoms and effects, both acute and delayed Defatting of the skin.

Indication of any immediate medical attention and special treatment needed Not available.

Section 5: Firefighting measures

General fire hazards Not established.

Extinguishing media

Suitable extinguishing media Halon. Dry chemicals. Foam. Carbon dioxide (CO₂). Water spray or fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture No unusual fire or explosion hazards noted.

Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special firefighting procedures 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.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

Environmental precautions

Prevent further leakage or spillage if safe to do so. 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. Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. 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.

Never return spills in original containers for re-use.

Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

Section 7: Handling and storage**Precautions for safe handling**

Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands after handling and before eating. Avoid prolonged exposure. All handling to take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame.

Specific end use(s)

Not available.

Section 8: Exposure controls/personal protection**Control parameters****Occupational exposure limits****Austria**

No exposure limits noted for the ingredient(s).

Belgium. Exposure Limit Values.

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Bulgaria. OELs. Regulation No 13 of Ministry of Labor & Social Policy, with Ministry of Health, on protection of workers related to exposure to chemical agents at work

Components	Type	Value
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	TWA	5 mg/m3

Cyprus

No exposure limits noted for the ingredient(s).

Czech Republic

Material	Type	Value
HYGOLD L500 (64742-52-5)	Ceiling	1000 mg/m3
	TWA	200 mg/m3

Czech Republic. OELs. Government Decree 361

Components	Type	Value
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	Ceiling	1000 mg/m3
	TWA	200 mg/m3

Denmark

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	TLV	1 mg/m3	Mist.

Denmark. Exposure Limit Values

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	TLV	1 mg/m3	Mist.

Estonia

No exposure limits noted for the ingredient(s).

Finland Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	TWA	5 mg/m3	Mist.

France

No exposure limits noted for the ingredient(s).

Germany

No exposure limits noted for the ingredient(s).

Germany - TRGS 900

No exposure limits noted for the ingredient(s).

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	TWA	5 mg/m3	Mist.

Hungary

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	Ceiling	5 mg/m3	Mist.

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	Ceiling	5 mg/m3	Mist.

Iceland

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	TWA	1 mg/m3	Mist.

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	TWA	1 mg/m3	Mist.

Ireland

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Italy

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Italy. OELs

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	TWA	5 mg/m3	Inhalable fraction.

Latvia

No exposure limits noted for the ingredient(s).

Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (64742-52-5)	STEL	3 mg/m3	Fume and mist.
	TWA	1 mg/m3	Fume and mist.

Luxembourg

No exposure limits noted for the ingredient(s).

Malta

No exposure limits noted for the ingredient(s).

Netherlands

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	TWA	5 mg/m ³	Mist.

Netherlands. OELs (binding)

Components	Type	Value	Form
DISTILLATES (PETROLEUM	TWA	5 mg/m ³	Mist.

Norway

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	TLV	1 mg/m ³	Mist.

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value	Form
DISTILLATES (PETROLEUM	TLV	1 mg/m ³	Mist.

Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment

Components	Type	Value	Form
DISTILLATES (PETROLEUM	STEL	10 mg/m ³	Aerosol.

TWA

5 mg/m³

Aerosol.

Portugal

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	STEL	10 mg/m ³	Aerosol.

TWA

5 mg/m³

Aerosol.

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value	Form
DISTILLATES (PETROLEUM	STEL	10 mg/m ³	Aerosol.

TWA

5 mg/m³

Aerosol.

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
DISTILLATES (PETROLEUM	STEL	10 mg/m ³

TWA

5 mg/m³**Slovakia**

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	TWA	1 mg/m ³	Aerosol.

5 ppm

Aerosol.

Slovenia

No exposure limits noted for the ingredient(s).

Spain

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	STEL	10 mg/m ³	Mist.

TWA

5 mg/m³

Mist.

Spain. Occupational Exposure Limits

Components	Type	Value	Form
DISTILLATES (PETROLEUM	STEL	10 mg/m ³	Mist.

TWA

5 mg/m³

Mist.

Sweden

Material	Type	Value	Form
HYGOLD L500 (64742-52-5)	STEL	3 mg/m ³	Mist.

TWA

1 mg/m³

Mist.

Sweden. Occupational Exposure Limit Values

Components	Type	Value	Form
DISTILLATES (PETROLEUM	STEL	3 mg/m ³	Mist.

Sweden. Occupational Exposure Limit Values

Components	Type	Value	Form
	TWA	1 mg/m ³	Mist.

Switzerland

No exposure limits noted for the ingredient(s).

United Kingdom

No exposure limits noted for the ingredient(s).

EU

No exposure limits noted for the ingredient(s).

Biological limit values**EU**

No biological exposure limits noted for the ingredient(s).

Finland

No biological exposure limits noted for the ingredient(s).

France

No biological exposure limits noted for the ingredient(s).

Luxembourg

No biological exposure limits noted for the ingredient(s).

Spain

No biological exposure limits noted for the ingredient(s).

United Kingdom

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Not available.

DNEL Not available.

PNEC Not available.

Exposure controls

Appropriate engineering controls Adequate ventilation should be provided whenever the material is heated or mists are generated.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Goggles/face shield are recommended.

Skin protection

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

- Other Wear appropriate chemical resistant gloves. Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.

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

Thermal hazards Not available.

Hygiene measures 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.

Environmental exposure controls Not available.

Section 9: Physical and chemical properties**Information on basic physical and chemical properties**

Appearance Clean & bright

Physical state Liquid.

Form Liquid.

Color Amber

Odor Mild Petroleum Odor

Odor threshold Not available.

pH Not applicable.

Melting point/freezing point Not available.

Boiling point, initial boiling point, and boiling range	> 600 °F (> 315,6 °C)
Flash point	> 360 °F (> 182,2 °C) Cleveland Open Cup
Auto-ignition temperature	> 600 °F (> 315,6 °C)
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidizing properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Relative density	Not available.
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Bulk density	Not applicable.
Pour point	< 10 °F (< -12,2 °C)
Viscosity	100 cSt
Viscosity temperature	104 °F (40 °C)
VOC (Weight %)	Not available.
Percent volatile	Not available.
Other data	
Molecular weight	392
Specific gravity	0,92
Other information	No relevant additional information available.

Section 10: Stability and reactivity

Reactivity	None known.
Chemical stability	Stable under normal temperature conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid temperatures exceeding the flash point. Heat, sparks, flames.
Incompatible materials	Strong oxidizing agents. Oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Section 11: Toxicological information

General information	Not available.
Information on likely routes of exposure	
Ingestion	May be harmful if swallowed and enters airways.
Inhalation	May be harmful if swallowed and enters airways.
Skin contact	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Eye contact	May be irritating to eyes.
Symptoms	Not available.
Information on toxicological effects	
Acute toxicity	None known.
Skin corrosion/irritation	Defatting, drying and cracking of skin.
Serious eye damage/eye irritation	May be irritating to eyes.

Respiratory sensitization	Not classified.
Skin sensitization	Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Nota L - Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346.
Reproductive toxicity	Contains no ingredient listed as toxic to reproduction
Specific target organ toxicity - single exposure	May cause irritation to the respiratory system.
Specific target organ toxicity - repeated exposure	Skin.
Aspiration hazard	Not applicable.
Mixture versus substance information	Not available.
Other information	Not assigned.

Section 12: Ecological information

Toxicity	No toxicity data noted for the ingredient(s).
Persistence and degradability	Not inherently biodegradable.
Bioaccumulative potential	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
Mobility	Not available.
Environmental fate - Partition coefficient	Not established.
Mobility in soil	Not available.
Results of PBT and vPvB assessment	Not applicable.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13: Disposal considerations

Waste treatment methods	
Residual waste	Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.
EU waste code	Not applicable. Waste codes should be assigned by the user based on the application for which the product was used.
Disposal methods/information	Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Do not discharge into drains, water courses or onto the ground. Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14: Transport information

General	Not regulated as dangerous goods.
ADR	Not regulated as dangerous goods.
RID	Not regulated as dangerous goods.
ADN	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 No information available.

Section 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Commission Decision 2000/479/EC on the implementation of a European pollutant emission register (EPER)

Not listed.

Regulation (EC) No. 1907/2006, Article 59(1). Candidate List

Not listed.

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.

National regulations

Not available.

Chemical safety assessment

No Chemical Safety Assessment has been carried out.

Section 16: Other information

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)

List of abbreviations

Not available.

References

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

Information on evaluation method leading to the classification of mixture

Not available.

Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

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Revision information

Not available.

Training information

Not available.

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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