

1. Identification

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| Product identifier | HyPrene Olympus L500 |
| Other means of identification | None. |
| Recommended use | Tire Oils, Rubber Compounding, Automotive & Industrial Hoses, Dedusting, Plasticizer, Titanium Dioxide Wash, Compressor Wash Oils, Hydraulic Fracturing Oil, Adhesives, Carpet Backing, Feed Stock for White Oil, Refrigeration Oil, Diluents and Carriers, Carbon Black, Banbury Dust Stop, Defoamers, Sealants, Belts & Hoses, Coatings, Leather Tanning, Agriculture Oils. |
| Recommended restrictions | None known. |
| Manufacturer/Importer/Supplier/Distributor information | |
| Manufacturer: | Ergon Refining |
| Address: | 2611 Haining Rd Vicksburg, Mississippi 39183 |
| E-Mail: | sds@ergon.com |
| Emergency Contacts | |
| Ergon Refining: | 1.601.638.4960 Normal Business Hours |
| Chemtrec: | 1.800.424.9300 After Business Hours (North America Only) |
| | 1.703.527.3887 After Business Hours (International) |

2. Hazard(s) identification

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|------------------------------|-----------------|
| Physical hazards | Not classified. |
| Health hazards | Not classified. |
| Environmental hazards | Not classified. |
| OSHA defined hazards | Not classified. |

Label elements

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|--------------------------------|-----------------|
| Hazard symbol | None. |
| Signal word | Not applicable. |
| Hazard statement | Not applicable. |
| Precautionary statement | |
| Prevention | Not applicable. |
| Response | Not applicable. |
| Storage | Not applicable. |
| Disposal | Not applicable. |

Hazard(s) not otherwise classified (HNOC) See section 11 of the SDS for additional information on health hazards.

Supplemental information None.

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 A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces finished oil with a viscosity near 500 SUS at 100°F.

4. First-aid measures

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

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| 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/effects, acute and delayed | Defatting of the skin. |
| Indication of immediate medical attention and special treatment needed | Treat symptomatically. |
| General information | Contact physician if discomfort continues. |

5. Fire-fighting measures

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| Suitable extinguishing media | Halon. Dry chemicals. Foam. Carbon dioxide (CO ₂). 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 | No unusual fire or explosion hazards noted. |
| Special protective equipment and precautions for firefighters | Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. |
| Fire fighting equipment/instructions | 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 pressurized air mask if product is involved in a fire. |
| General fire hazards | No unusual fire or explosion hazards noted. Flammability Class: Combustible IIIB |

6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures | 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. Ensure adequate ventilation. |
| Methods and materials for containment and cleaning up | Large Spills: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). 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 or absorbent material then 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. For waste disposal, see section 13 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. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center. |

7. Handling and storage

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| Precautions for safe handling | Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. 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 | Keep away from heat, sparks and open flame. Store in a well-ventilated place. |

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Material | Type | Value | Form |
|---|------|---------|-------|
| HyPrene Olympus L500 | PEL | 5 mg/m3 | Mist. |
| Components | Type | Value | Form |
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (CAS 64742-52-5) | PEL | 5 mg/m3 | Mist. |

US. NIOSH: Pocket Guide to Chemical Hazards

| Material | Type | Value | Form |
|---|------|----------|-------|
| HyPrene Olympus L500 | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| Components | Type | Value | Form |
| DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC (CAS 64742-52-5) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |

Biological limit values

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

Appropriate engineering controls

Adequate ventilation should be provided whenever the material is heated or mists are generated. Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Individual protection measures, such as personal protective equipment

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

Chemical/oil resistant clothing is recommended. Launder contaminated clothing before reuse.

Respiratory protection

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment. Under normal conditions, respirator is not normally required.

Thermal hazards

Not available.

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 to remove contaminants. Discard contaminated footwear that cannot be cleaned.

9. Physical and chemical properties

Appearance

Clear & bright

Physical state

Liquid.

Form

Liquid.

Color

Light Amber

Odor

Mild Petroleum Odor

Odor threshold

Not available.

pH

Not applicable

Melting point/freezing point

0 °F (-17.78 °C) ASTM D5949

Initial boiling point and boiling range

> 500 °F (> 260 °C) ASTM D2887/ ISO 3294

Flash point

>= 400.0 °F (>= 204.4 °C) Cleveland Open Cup ASTM D92/ ISO 2592

Evaporation rate

Not available.

Flammability (solid, gas)

Not available.

Upper/lower flammability or explosive limits

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|---------------------------------------|----------------|
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |

Vapor pressure Not available.

Vapor density > 5

Relative density 0.906 (60 °F (15.56 °C) ASTM D4052/ ISO 12185)

Solubility(ies)

Solubility (water) Insoluble

Partition coefficient (n-octanol/water) Not established.

Auto-ignition temperature > 600 °F (> 315.56 °C) ASTM E659

Decomposition temperature Not available.

Viscosity 97.7 cSt (104 °F (40 °C) ASTM D445/ ISO 3104)

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Stable.

Possibility of hazardous reactions Hazardous polymerization does not occur.

Conditions to avoid Heat, flames and sparks. Avoid temperatures exceeding the flash point.

Incompatible materials Strong oxidizing 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 May be harmful if inhaled. However, this product does not currently meet the criteria for classification.

Skin contact Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis

Eye contact May be irritating to eyes.

Ingestion May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration. Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Not available.

Information on toxicological effects

Acute toxicity Not classified.

Skin corrosion/irritation Not classified. May cause defatting of the skin, but is neither an irritant nor a sensitizer.

Serious eye damage/eye irritation Not classified.

Respiratory or skin sensitization

Respiratory sensitization Not classified.

Skin sensitization Not classified.

Germ cell mutagenicity Non-mutagenic based on Modified Ames Assay.

Carcinogenicity 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.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

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| Reproductive toxicity | Contains no ingredient listed as toxic to reproduction |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| Aspiration hazard | Not classified. |
| Chronic effects | Prolonged or repeated contact may cause drying, cracking, or irritation of the skin. |

12. Ecological information

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|--------------------------------------|---|
| Ecotoxicity | Not expected to be harmful to aquatic organisms. |
| 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 | Not available. |
| 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. |

13. Disposal considerations

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| Disposal instructions | When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261. Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. |
| Hazardous waste code | Not applicable. |
| Waste from residues / unused products | 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. |

14. Transport information

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|---|-----------------------------------|
| DOT | 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 available. |
| General information | Not regulated as dangerous goods. |

15. Regulatory information

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|--|---|
| US federal regulations | This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. CERCLA/SARA Hazardous Substances - Not applicable. |
| TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) | Not regulated. |
| CERCLA Hazardous Substance List (40 CFR 302.4) | Not listed. |

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Yes
Hazardous chemical

SARA 313 (TRI reporting)
 Not regulated.

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

| 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)

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, including date of preparation or last revision

Issue date 12-04-2014
Revision date 03-12-2018
Version # 03
NFPA ratings Health: 0
 Flammability: 1
 Instability: 0

References

ACGIH
EPA: AQUIRE database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents
IARC Monographs. Overall Evaluation of Carcinogenicity
National Toxicology Program (NTP) Report on Carcinogens
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices
Chemical Abstracts Service Registry Handbook
CRC: Handbook of Chemistry and Physics
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

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.

Revision information

Product and Company Identification: Product and Company Identification
Physical & Chemical Properties: Multiple Properties
Regulatory Information: United States