



SAFETY DATA SHEET

PETROMIN HYDRAULIC OIL VH 32

Section 1. Identification

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| Material name: | PETROMIN HYDRAULIC OIL VH 32 |
| Product Code | 4960 |
| SDS no. | SDS 4960-1 |
| <u>Relevant identified uses of the substance or mixture and uses advised against</u> | |
| Use of the substance/ mixture | Automotive engine crankcase lubricant. For specific application advice see appropriate Technical Data Sheet or consult our company representative |
| Manufacturer Supplier | Petromin Corporation P.O.BOX: 1432, Jeddah 21431 Prince Sultan Road, Ayah Mall www.petromin.com Tel: +966 12 60 8300 Fax: +966 12 608 2545 |
| Emergency Telephone Number | Technical Services Department Telephone: +966 12 215 7000 |

Section 2. Hazard(s) identification

Classification of the
substance or mixture

Not classified

GHS label elements:

Hazard Pictograms: No hazard pictogram is used
Signal word: No signal word is used
Hazard statement: Not applicable

Precautionary statement:

Prevention: Not applicable
Response: Not applicable
Storage: Not applicable
Disposal: Not applicable

Other hazards which do
not result in classification

Not applicable



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Section 3. Composition and ingredient information

Substance/ mixture Mixture

| Components | CAS No. | Percent |
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| Hydrotreated heavy paraffinic | 64742-54-7 | 98-99% |
| Performance Additives | Mixture | 1-2% |

Section 4. First aid measures

Description of necessary first aid measures

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| Eye contact | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check and remove any contact lenses. Get medical attention |
| Skin contact | No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. |
| Inhalation | If inhaled, remove the person to fresh air. Get medical attention if symptoms |
| Ingestion | Do not induce vomiting. As a precaution, get medical advice. |
| Symptoms caused by exposure | Not available |
| Special Treatment | No special treatment |

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: In case of fire, use Foams, dry chemicals, CO₂, nylons and powders

unsuitable extinguishing media Do not use water

Protection Equipment Heat resistant suit and gloves, Self-contained breathing apparatus

Special Risks None

Special Measures Not required

Combustion Products CO₂, H₂O, CO (in defect of air), nitrogen, sulfur and phosphorus oxides

Section 6. Accidental release measure

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| Precautions for the Environment | Hazard of physical fouling to coasts, soils, etc. due to low solubility and high viscosity of the oils. Avoid the material entering water intakes |
| Clean-up Method | Treat as an accidental oil spill or leak; avoid dispersion of the material with mechanical barriers. Remove with physical or chemical treatment |
| Personal Precautions | Avoid prolonged contact with contaminated clothes or with the product |
| Personal Protection | Gloves and goggles or face shield |

Section 7. Handling and storage

Precautions for safe handling

General Precautions Avoid prolonged contact and inhalation of mists and vapors

Specific conditions Safety goggles and gloves should be used

Precautions for safe storage

Storage condition Containers properly labeled and sealed, placed in cool and

Incompatible materials Strong oxidants

Dangerous practices Not available

Section 8. Exposure control/ Personal protection

Control parameters:

Exposure Level Not available

Inhalation Low vapor pressures: The product is slightly volatile at room temperature and does not present special risks. In presence of heated oils, wear protective masks to avoid vapor inhalation

Skin Gloves

Eye Safety goggles



Other Showers and eye-washers in the working area

Specific Hygiene measure Good work practices to minimize exposure and adoption of good Personal hygien

Exposure Level TLV (typical base oil) = 0.016 PPM at 20°C (saturated vapor Concentration);
TLV/TWA (ACGIH) = 5mg/m³ (oil mist); TLV/STEL (ACGIH) = 10mg/m³ (oil mist)

Section 9. Physical and chemical properties

Information on basic physical and chemical propertie:

Appearance:

Physical state: Liquid
Color: Light Amber
Specific Gravity (at 15°C): 0.870 (typical)
Flash point: 233 °C
Explosive Properties: Not available
Oxidizing Properties: Not available
Water Solubility: Insoluble (100 PPM max. H₂O)
Solubility: Organic solvents
Vapor Density: Not available
Vapor Pressure: Not available
Viscosity at 100°C: 6.3 cSt (typical)
Pour Point: -38 °C (typical)
Boiling Point: Not available

Section 10. Stability and reactivity

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| Reactivity | Stable under recommended transport storage conditions |
| Chemical stability | Stable under normal temperature pressures |
| Polymerization Risk | Not available |
| Materials to Avoid | Strong oxidants react with oils and organic materials |
| Hazardous Decomposition products | Not available |
| Condition to Avoid | Exposure to open flames |

Section 11. Toxicological information

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| Routes of Exposure | Contact with skin, eyes and inhalation. Ingestion is not frequent. |
| Acute and chronic Effects | No malignant acute effects are known. Chronic effects due to repeated exposures are irritation, dermatitis and acne |
| Carcinogenicity | Not available |
| Reproductive Toxicity | No evidences |
| Medical Conditions which increase Hazard to Exposure | Respiratory tract deficiencies and dermatological problems |

Section 12. Ecological information**Pollutant Potential:**

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| Persistence and Degradability | the material is oily and viscous and floats on water. It presents a high physical fouling potential, mainly in sea-spills; by contact, destroys small aquatic organisms and makes living difficult for upper organisms, not allowing the sunlight to reach underlying marine ecosystems, affecting its normal development. |
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| Mobility/Bioaccumulative Potential | it does not present bioaccumulative problems in living organisms or incidence in the tropic food chain, although it may cause long-term adverse effects in the aquatic environment, due to its high physical fouling potential |
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| Eco toxicological Effect: | Dangerous for aquatic life in high concentrations (spills). |
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Section 13. Disposal consideration

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| Disposal Methods (surplus) | Recycling and recovery of base oils when possible |
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| Disposal (waste) | Only in specific prepared and controlled areas. Avoid releasing oils to sewers because they can destroy water treatment plant Microorganisms. Do not attempt to clean containers since residue is difficult to remove; dispose in a safe way. |
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| Handling (waste) | Labeled and sealed containers. Avoid direct contact with waste oils. |
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Section 14. Transport information

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| Special Precautions | Stable at room temperature and during transport. Store in cool well ventilated areas. |
| UN Number | Not regulated |
| Road (ADR)/ Rail (RID) /River (ADNR) | Not regulated |
| Airline (IATA-ACAO) | Not regulated |
| Marine (IMO-IMDG) | Not regulated |
| Special precautions for user | Not available |

Section 15. Regulatory information

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| Regulation | CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds) This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372. | | |
| CERCLA/SARA - Section 311/312 (Title III Hazard Categories) | Acute Health: | No | |
| | Chronic Health: | No | |
| | Fire Hazard: | No | |
| | Pressure Hazard: | No | |
| | Reactive Hazard: | No | |
| CERCLA/SARA - Section 313 and 40 CFR 372 | This material does not contain any chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372 | | |
| EPA (CERCLA) Reportable Quantity (in pounds) | This material does not contain any chemicals with CERCLA Reportable Quantities | | |
| California Proposition 65 | This material does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65 | | |
| Canadian | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the Regulations. WHMIS Hazard Class: None | | |
| National Chemical Inventories | All components are either listed on the US TSCA Inventory, or are not regulated under TSCA. All components are either on the DSL, or are exempt from DSL listing requirements | | |
| U.S. Export Control Classification Number | EAR99 | | |



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Section 16. Other information

History:

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Previous Issue Date

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|------------------------|---------|---|
| Guide to Abbreviations | CAS | Chemical Abstracts Service |
| | ACGIH | American Conference of Governmental Industrial Hygienists |
| | CASRN | Chemical Abstracts Service Registry Number |
| | CEILING | Ceiling Limit (15 minutes) |
| | CERCLA | The Comprehensive Environmental Response, Compensation, and Liability Act |
| | EPA | Environmental Protection Agency |
| | IARC | International Agency for Research on Cancer |
| | LEL | Lower Explosive Limit |
| | NE | Not Established |
| | NFPA | National Fire Protection Association |
| | NTP | National Toxicology Program |
| | OSHA | Occupational Safety and Health Administration |
| | PEL | Permissible Exposure Limit (OSHA) |
| | SARA | Superfund Amendments and Reauthorization Act |
| | STEL | Short Term Exposure Limit (15 minutes) |
| | TLV | Threshold Limit Value (ACGIH) |
| | TWA | Time Weighted Average (8 hours) |
| | UEL | Upper Explosive Limit |
| | WHMIS | Worker Hazardous Materials Information System (Canada) |
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