# Safety Data Sheet

**Stock Number:** MAG66074
**Date of the latest revision of the safety data sheet:** 02-05-2024
**Supercedes:** 01-05-2024

## MAG1 ISO 68 TURB OIL 5GL

## 1 Identification

**Product Identifier:** **MAG1 ISO 68 TURB OIL 5GL**
**Stock Number:** MAG66074
**Other means of identification:** MAG166074

**Other means of identification:**
**Synonyms:** No data available

**Recommended use and restrictions on use:**
**Recommended use:** Hydraulic Oil
**Restrictions on use:** Uses other than those described above
**Initial Supplier Identifier:** Highline Warren LLC
8700 Trail Lake Drive West
Suite 300
Memphis, TN 38125
**Tel No.:** +01 (901) 437-8615
**Email:** sds@highlinewarren.com
**Emergency telephone number and any restrictions on the use of that number, if applicable:** CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

## 2 Hazard identification

**Classification of the hazardous product:**
Skin Sensitisation Category 1

**GHS Hazard class symbols:**

**Signal word:** Warning
**Hazard statements:** May cause an allergic skin reaction.
**Precautionary statements:**
**Prevention:** Avoid breathing dust/fume/gas/mist/ vapours/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
**Response:** IF ON SKIN: Wash with plenty of water. Specific treatment (see on this label). If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
**Disposal:** Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

**Other hazards known to the supplier with respect to the hazardous product:**
**Physical hazards not otherwise** None known.

**classified**

**Health hazards not otherwise classified** None known.

## 3 Composition/information on ingredients

| Chemical Name | Common name and synonyms | CAS registry number and any unique identifiers | Concentration |
|---|---|---|---|
| Naphtha (petroleum), heavy aromatic | No data available | 64742-94-5 | 0.1 - 0.5 |
| Petroleum distillates, hydrotreated heavy paraffinic | No data available | 64742-54-7 | 80 - 100 |

## 4 First-aid measures

**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

**Eye contact:** No data available

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

**The most important symptoms and effects, whether acute or delayed:** May cause an allergic skin reaction

**An indication of immediate medical attention and special treatment needed, if necessary:** Specific treatment (see on this label).

## 5 Fire-fighting measures

**Suitable extinguishing media:** Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

**Unsuitable extinguishing media:** No data available

**Specific hazards arising from the hazardous product, such as the nature of any hazardous combustion:** Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

**Special protective equipment and precautions for firefighters:** Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

## 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** No health affects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.

**Methods and materials for containment and cleaning up:** No special spill clean up considerations. Collect and discard in regular trash.

## 7 Handling and storage

**Precautions for safe handling:** Mildly irritating material. Avoid unnecessary exposure.

**Conditions for safe storage:** Store in a cool dry place. Isolate from incompatible materials.

**Materials to Avoid/Chemical Incompatibility:** Strong oxidizing agents

## 8 Exposure controls/personal protection

**Control parameters, including occupational exposure limit values or biological limit values and the source of those values:**

**Canada – Alberta – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | 10 mg/m3 STEL | No data available |

**Canada – British Columbia– Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 0.2 mg/m3 TWA (mildly refined); 1 mg/m3 TWA (severely refined) | No data available | No data available |

**Canada – Manitoba – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | No data available | No data available |

**Canada – New Brunswick – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | 10 mg/m3 STEL | No data available |

**Canada – Newfoundland & Labrador – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | No data available | No data available |

**Canada – Northwest Territories – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | 10 mg/m3 STEL | No data available |

**Canada – Nova Scotia – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | No data available | No data available |

**Canada – Nunavut – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | 10 mg/m3 STEL | No data available |

**Canada – Ontario – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | No data available | No data available |

**Canada – Prince Edward Island – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - | Occupational Exposure Limits - | Occupational Exposure Limits - |
|---|---|---|---|

| | TWAs | STELs | Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | No data available | No data available |

**Canada – Quebec – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAEVs | Occupational Exposure Limits - STEVs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | No data available | No data available | No data available |

**Canada – Saskatchewan – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | 10 mg/m3 STEL | No data available |

**Canada - Yukon – Occupational Exposure Limits:**

| Chemical Name | Occupational Exposure Limits - TWAs | Occupational Exposure Limits - STELs | Occupational Exposure Limits - Ceiling |
|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | 10 mg/m3 STEL | No data available |

| Chemical Name | OSHA PEL | ACGIH TLV-TWA | ACGIH STEL | IDLH |
|---|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 5 mg/m3 TWA | 5 mg/m3 TWA | 10 mg/m3 STEL | No data available |

**Appropriate engineering controls:** Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

**Individual protection measures, such as personal protective equipment:**

**Respiratory Protection:** Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

**Respirator Type(s):** None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

**Eye and face protection:** Wear safety glasses when handling this product if there is a likelihood of contact with eyes.

**Skin Protection:** Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.

| | |
|---|---|
| **Hand protection:** | Neoprene, Nitrile |
| **General hygiene conditions:** | Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. |

## 9 Physical and chemical properties

| | |
|---|---|
| **Physical state:** | Liquid |
| **Colour:** | Brown |
| **Odour:** | Mild |
| **Odour threshold:** | Not determined |
| **pH:** | No data available |
| **Melting point (°C):** | No data available |
| **Freezing point (°C):** | No data available |
| **Initial boiling point and boiling range (°C):** | No data available |
| **Flash point (°C):** | 211 |
| **Evaporation rate:** | No data available |
| **Flammability, in the case of solids and gases:** | No data available |
| **Upper flammable or explosive limit, % in air:** | Not established |
| **Lower flammable or explosive limit, % in air:** | Not established |
| **Vapour pressure:** | No data available |
| **Vapour density:** | No data available |
| **Relative density:** | 0.87 |
| **Solubility:** | Negligible; 0-1% |
| **Partition coefficient — n-octanol/water:** | No data available |
| **Auto-ignition temperature (°C):** | No data available |
| **Decomposition temperature (°C):** | Not determined |
| **Viscosity:** | 70.09 |

## 10 Stability and reactivity

| | |
|---|---|
| **Reactivity:** | There are no known reactivity hazards associated with this product. |
| **Chemical stability:** | Stable under normal conditions. |
| **Possibility of hazardous reactions:** | None expected under standard conditions of storage. |
| **Conditions to avoid, including static discharge, shock or vibration:** | Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation). |
| **Incompatible materials:** | Strong oxidizing agents |
| **Hazardous decomposition products:** | No data available |

## 11 Toxicological information

**Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):** Eye contact, Ingestion, Inhalation, Skin contact

**Symptoms related to the physical, chemical and toxicological characteristics:** May cause an allergic skin reaction

**Immediate effects from short term exposure:**

**Inhalation:** Likely to be practically non-toxic based on animal data. No hazard in normal industrial use.

**Skin Contact:** Likely to be non-irritating to skin based on animal data.

**Eye Contact:** This material is likely to be non-irritating to eyes based on animal data.

**Ingestion:** Estimated to be > 5.0 g/kg. No hazard in normal industrial use.

**Sensitization:** Contains a substance that may cause skin sensitization.

**Delayed and chronic effects from long term exposure:**

**Carcinogenicity:** Not expected to cause cancer. This product meets the IP-346 criteria of <3% PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.

**Reproductive and Developmental Toxicity:** Not known or reported to cause reproductive or developmental toxicity.

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**STOT-repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

**Numerical measures of toxicity, including ATEs** Based on available data, the classification criteria are not met.

## 12 Ecological information

**Ecotoxicity (aquatic and terrestrial, if available):** Severe ecological hazard. This product may be toxic to plants and/or wildlife.

**Ecological Toxicity Data:**

| Chemical Name | CAS registry number and any unique identifiers | Aquatic EC50 Crustacea | Aquatic ERC50 Algae | Aquatic LC50 Fish |
|---|---|---|---|---|
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | EC50 (48h) Daphnia magna 0.95 mg/L | No data available | LC50 (96h) Rainbow Trout 2.34 mg/L |
| Petroleum distillates, | 64742-54-7 | EC50 (48h) Daphnia | No data available | LC50 (96h) |

| | | | | |
|---|---|---|---|---|
| hydrotreated heavy paraffinic | | magna > 1000 mg/L | | Rainbow Trout > 5000 mg/L |

**Persistence and degradability:** Biodegrades slowly.
**Bioaccumulative potential:** Bioconcentration may occur.
**Mobility in soil:** This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.
**Other adverse effects:** None known.

## 13 Disposal considerations

**Information on safe handling for disposal and methods of disposal, including any contaminated packaging:** Spent or discarded material is non-hazardous according to environmental regulations.

## 14 Transport information

**Transportation of Dangerous Goods by land (TDG):**

**UN number:** Not regulated for road transport
**UN Proper shipping name:** Not applicable
**Transport hazard class(es):** Not applicable
**Packing group:** Not applicable

**International carriage of dangerous goods by sea (IMDG/IMO):**

**UN number:** Not regulated by IMDG
**UN Proper shipping name:** Not applicable
**Transport hazard class(es):** Not applicable
**Packing group:** Not applicable

**International carriage of dangerous goods by air (IATA):**

**UN number:** Not regulated by IATA
**UN Proper shipping name:** Not applicable
**Transport hazard class(es):** Not applicable
**Packing group:** Not applicable

**Environmental hazards according to the International Maritime Dangerous Goods Code and the United Nations Model Regulations:** No

**Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78) and the International Code for the Construction and Equipment of Ships carrying** No data available

**Dangerous Chemicals in Bulk (IBC Code)):**

**Special precautions in connection with transport or conveyance either within or outside the premises:** No data available

## 15 Regulatory information

**Safety, health and environmental regulations, made within or outside Canada, specific to the product in question:**

**Canada - Domestic Substances List (DSL):**

| Chemical Name | CAS No | Canada - Domestic Substances List (DSL) |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | Yes |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | Yes |

**Canada - Non-Domestic Substances List (NDSL):**

| Chemical Name | CAS No | Canada - Non-Domestic Substances List (NDSL) |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No |

**Canada - Controlled Drugs and Substances:**

| Chemical Name | CAS No | Schedule I | Schedule II | Schedule III | Schedule IV | Schedule V | Schedule VII | Schedule VIII |
|---|---|---|---|---|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No | No | No | No | No | No | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No | No | No | No | No | No | No |

| Chemical Name | CAS No | Class A Precursors | Class B Precursors | Exempt Precursors | Class 1 Targeted Substances | Class 2 Targeted Substances |
|---|---|---|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No | No | No | No | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No | No | No | No | No |

**Canada - CEPA - Schedule III Export Control List:**

| Chemical Name | CAS No | Part 1 Prohibited Substances | Part 2 Substances Subject to Notification or Consent | Part 3 Restricted Substances | Export Control List |
|---|---|---|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No | No | No | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No | No | No | No |

**Canada CEPA - 2015 Greenhouse Gases (GHG) Subject to Mandatory Reporting:**

| Chemical Name | CAS No | Canada CEPA - 2015 Greenhouse Gases (GHG) Subject to Mandatory Reporting |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No |

**Canada - Narcotic Control Regulations (C.R.C., c. 1041):**

| Chemical Name | CAS No | Canada - Narcotic Control Regulations (C.R.C., c. 1041) |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No |

**Canada - Ontario - Toxics Reduction - List of Priority Toxics:**

| Chemical Name | CAS No | Canada - Ontario - Toxics Reduction - List of Priority Toxics |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No |

**Stockholm Convention on Persistent Organic Pollutants:**

| Chemical Name | CAS No | Stockholm Convention on Persistent Organic Pollutants |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No |

| | | |
|---|---|---|
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No |

**Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade:**

| Chemical Name | CAS No | Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade . |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No |

**(United Nations) - Kyoto Protocol - Convention on Climate Change - Greenhouse Gases (GHGs):**

| Chemical Name | CAS No | (United Nations) - Kyoto Protocol - Convention on Climate Change - Greenhouse Gases (GHGs) |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No |

**Montreal Protocol on Substances that Deplete the Ozone Layer:**

| Chemical Name | CAS No | Montreal Protocol on Substances that Deplete the Ozone Layer |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No |

**Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal:**

| Chemical Name | CAS No | Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal |
|---|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic | 64742-54-7 | No |
| Naphtha (petroleum), heavy aromatic | 64742-94-5 | No |

## 16 Other information

**Date of the latest revision of the safety data sheet:** 02-05-2024
**Revision Number:** 37
**Reason for revision:** Activated by Document Formulation Generation

**Disclaimer:**

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