## SECTION 1. IDENTIFICATION

Product name : HYDREX ™ MV ARCTIC 15

Product code : HDXAR15ICT, HDXAR15P5R, HDXAR15DRR, HDXAR15IBC, HDXAR15P20, HDXAR15DRM, HDXAR15DCT, HDXAR15, HDXAR15BLK

**Manufacturer or supplier's details**

Euromarc Industries Limited
203 Glover Road
Hawera 4610

Telephone : 0800 278 600

**Emergency telephone number**

Emergency telephone number : 0800 764 766 (0800 POISON).
New Zealand National Poisons Centre operates 24 hours a day, 7 days a week.

**Recommended use of the chemical and restrictions on use**

Recommended use : This product is a hydraulic oil that is formulated for outdoor equipment that must function at very low temperatures.

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with the Hazardous Products Regulations**

Aspiration hazard : Category 1

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : May be fatal if swallowed and enters airways.

Precautionary statements :

**Response:**

IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Do NOT induce vomiting.

**Storage:**

Store locked up.

**Disposal:**

Dispose of contents/ container to an approved waste disposal plant.


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**Other hazards**

None known.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

| Chemical name | CAS-No. | Concentration (% w/w) |
|---|---|---|
| Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified | 64742-55-8 | 70 - 90 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil — unspecified | 72623-86-0 | 10 - 20 |
| 2,6-di-tert-butylphenol | 128-39-2 | 0.1 - 1 |

* Actual concentration or concentration range is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
Artificial respiration and/or oxygen may be necessary.
Seek medical advice.

In case of skin contact : In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Wash skin thoroughly with soap and water or use recognized skin cleanser.
Wash clothing before reuse.
Seek medical advice.

In case of eye contact : Remove contact lenses.
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Obtain medical attention.

If swallowed : Rinse mouth with water.
DO NOT induce vomiting unless directed to do so by a physician or poison control center.
Never give anything by mouth to an unconscious person.
Seek medical advice.

Most important symptoms and effects, both acute and delayed : First aider needs to protect himself.

Notes to physician : Treat symptomatically.


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## SECTION 5. FIREFIGHTING MEASURES

| | | |
|---|---|---|
| Suitable extinguishing media | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | : | No information available. |
| Specific hazards during firefighting | : | Cool closed containers exposed to fire with water spray. |
| Hazardous combustion products | : | Carbon oxides (CO, CO2), smoke and irritating vapours as products of incomplete combustion. |
| Further information | : | Prevent fire extinguishing water from contaminating surface water or the ground water system. |

## SECTION 6. ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Ensure adequate ventilation.<br>Evacuate personnel to safe areas.<br>Material can create slippery conditions.<br>Mark the contaminated area with signs and prevent access to unauthorized personnel.<br>Only qualified personnel equipped with suitable protective equipment may intervene. |
| Environmental precautions | : | Do not allow uncontrolled discharge of product into the environment.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up | : | Prevent further leakage or spillage if safe to do so.<br>Remove all sources of ignition.<br>Soak up with inert absorbent material.<br>Non-sparking tools should be used.<br>Ensure adequate ventilation.<br>Contact the proper local authorities. |

## SECTION 7. HANDLING AND STORAGE

| | | |
|---|---|---|
| Advice on protection against fire and explosion | : | None known. |
| Advice on safe handling | : | For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>In case of insufficient ventilation, wear suitable respiratory equipment.<br>Avoid contact with skin, eyes and clothing.<br>Do not ingest.<br>Keep away from heat and sources of ignition.<br>Keep container closed when not in use. |


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Conditions for safe storage : Store in original container.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Keep in a dry, cool and well-ventilated place.
Keep in properly labelled containers.
To maintain product quality, do not store in heat or direct sunlight.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Components with workplace control parameters**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---|---|---|---|---|
| Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified | 64742-55-8 | TWA (Mist) | 5 mg/m3 | CA AB OEL |
| | | STEL (Mist) | 10 mg/m3 | CA AB OEL |
| | | TWAEV (Mist - Inhalable dust) | 5 mg/m3 | CA QC OEL |
| | | TWA (Mist) | 1 mg/m3 | CA BC OEL |
| | | TWA (Inhalable particulate matter) | 5 mg/m3 | ACGIH |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil — unspecified | 72623-86-0 | TWA (Mist) | 5 mg/m3 | CA AB OEL |
| | | STEL (Mist) | 10 mg/m3 | CA AB OEL |
| | | TWAEV (Mist - Inhalable dust) | 5 mg/m3 | CA QC OEL |
| | | TWA (Mist) | 1 mg/m3 | CA BC OEL |
| | | TWA (Inhalable particulate matter) | 5 mg/m3 | ACGIH |

**Engineering measures** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protective equipment**

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Filter type : organic vapour filter

Hand protection
Material : neoprene, nitrile, polyvinyl alcohol (PVA), Viton®.


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| | | |
|---|---|---|
| Remarks | : | Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. |
| Eye protection | : | Wear face-shield and protective suit for abnormal processing problems. |
| Skin and body protection | : | Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. |
| Protective measures | : | Wash contaminated clothing before re-use. |
| Hygiene measures | : | Remove and wash contaminated clothing and gloves, including the inside, before re-use.<br>Wash face, hands and any exposed skin thoroughly after handling. |

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|---|
| Appearance | : | viscous liquid |
| Colour | : | Pale, straw-yellow. |
| Odour | : | Mild petroleum oil like. |
| Odour Threshold | : | No data available |
| pH | : | No data available |
| Pour point | : | -51 °C (-60 °F) |
| Boiling point/boiling range | : | No data available |
| Flash point | : | 132 °C (270 °F)<br>Method: Cleveland open cup |
| Fire Point | : | No data available |
| Evaporation rate | : | No data available |
| Flammability | : | Remarks: Low fire hazard. This material must be heated before ignition will occur. |
| Auto-Ignition Temperature | : | No data available |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Vapour pressure | : | No data available |


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| | | |
|---|---|---|
| Relative vapour density | : | No data available |
| Relative density | : | No data available |
| Density | : | 0.8360 kg/l (15 °C) |
| Solubility(ies) | | |
| Water solubility | : | insoluble |
| Partition coefficient: n-octanol/water | : | No data available |
| Viscosity | | |
| Viscosity, kinematic | : | 13.6 cSt ( 40 °C) |
| | | 5.2 cSt ( 100 °C) |
| Explosive properties | : | Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. |

## SECTION 10. STABILITY AND REACTIVITY

| | | |
|---|---|---|
| Reactivity | : | No dangerous reaction known under conditions of normal use. |
| Chemical stability | : | Stable under normal conditions. |
| Possibility of hazardous reactions | : | Hazardous polymerisation does not occur.<br>Stable under normal conditions. |
| Conditions to avoid | : | No data available |
| Incompatible materials | : | Reactive with oxidising agents and reducing agents. |
| Hazardous decomposition products | : | May release COx, NOx, SOx, POx, H2S, metal oxides, methacrylate monomers, smoke and irritating vapours when heated to decomposition. |

## SECTION 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

Eye contact
Ingestion
Inhalation
Skin contact

**Acute toxicity**

**Product:**

| | | |
|---|---|---|
| Acute oral toxicity | : | Remarks: No data available |
| Acute inhalation toxicity | : | Assessment: The substance or mixture has no acute inhalation toxicity<br>Remarks: No data available |


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Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity
Remarks: No data available

**Components:**

**Distillates (petroleum), hydrotreated light paraffinic; Baseoil — unspecified:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg,

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg,

**Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil — unspecified:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg,

Acute inhalation toxicity : LC50 (Rat): > 5.2 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg,

**2,6-di-tert-butylphenol:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg,

Acute dermal toxicity : LD50 (Rabbit): > 10,000 mg/kg,

**Skin corrosion/irritation**

**Product:**

Remarks : No data available

**Serious eye damage/eye irritation**

**Product:**

Remarks : No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**STOT - single exposure**

No data available


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**STOT - repeated exposure**

No data available

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Product:**

| | | |
|---|---|---|
| Toxicity to fish | : | Remarks: No data available |
| Toxicity to daphnia and other aquatic invertebrates | : | Remarks: No data available |
| Toxicity to algae/aquatic plants | : | Remarks: No data available |
| Toxicity to microorganisms | : | Remarks: No data available |

**Persistence and degradability**

**Product:**

| | | |
|---|---|---|
| Biodegradability | : | Result: Readily biodegradable. |

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

| | | |
|---|---|---|
| Waste from residues | : | The product should not be allowed to enter drains, water courses or the soil.<br>Offer surplus and non-recyclable solutions to a licensed disposal company.<br>Waste must be classified and labelled prior to recycling or disposal.<br>Send to a licensed waste management company.<br>Dispose of product residue in accordance with the instructions of the person responsible for waste disposal. |

## SECTION 14. TRANSPORT INFORMATION

**International Regulations**

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**


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Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

**National Regulations**

**TDG**
Not regulated as a dangerous good

## SECTION 15. REGULATORY INFORMATION

**The components of this product are reported in the following inventories:**

| | | |
|---|---|---|
| DSL | : | On the inventory, or in compliance with the inventory |
| TSCA | : | All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption. |
| IECSC | : | On the inventory, or in compliance with the inventory |
| NZIoC | : | On the inventory, or in compliance with the inventory |
| | : | HSNO: HSR002605, Lubricants (Low Hazard) Group Standard 2020 |

## SECTION 16. OTHER INFORMATION

**Full text of other abbreviations**

| | | |
|---|---|---|
| ACGIH | : | USA. ACGIH Threshold Limit Values (TLV) |
| CA AB OEL | : | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
| CA BC OEL | : | Canada. British Columbia OEL |
| CA QC OEL | : | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |
| ACGIH / TWA | : | 8-hour, time-weighted average |
| CA AB OEL / TWA | : | 8-hour Occupational exposure limit |
| CA AB OEL / STEL | : | 15-minute occupational exposure limit |
| CA BC OEL / TWA | : | 8-hour time weighted average |
| CA QC OEL / TWAEV | : | Time-weighted average exposure value |

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect


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Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

| | | |
|---|---|---|
| For Copy of SDS | : | Internet: www.petrocanadalubricants.com/sds<br>Western Canada, telephone: 1-800-661-1199; fax: 1-800-378-4518<br>Ontario & Central Canada, telephone: 1-800-268-5850; fax: 1-800-201-6285<br>Quebec & Eastern Canada, telephone: 1-800-576-1686; fax: 1-800-201-6285<br>For Product Safety Information: 1 905-491-0565 |
| Prepared by | : | Product Safety: +1 905-491-0565 |
| Revision Date | : | 2024/01/26 |
| Date format | : | yyyy/mm/dd |

The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.

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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