

Safety Data Sheet



Section 1 - Identification of the Material and Supplier

Product Name: Hi Perf 4T Racing 10W50
Product Code: Q5B
Product Use: Motor Oil
Supplier: Oil Intel Limited
56 Whakatu Road, Whakatu
Hastings 4172
NEW ZEALAND
Phone: +64 (06) 871 53 25
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EMERGENCY

TELEPHONE NUMBER: 0800 734 607 (New Zealand)

Chemical Nature: Product containing mineral oil with less than 3% DMSO extract as measured by IP346.

Creation Date: December 2013

This Version Issued: July 2018 and is valid for 5 years from this date.

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: Non-Dangerous under normal conditions of use.

Environmental Impact: Should not be released into the environment.

Physical and Chemical Hazards: Contaminated surfaces will be extremely slippery.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc, %	R-Phrases
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Zinc alkyldithiophosphate	68649-42-3	<2.5	Xi;R-38-41, N;R-51-53
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This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information: In case of serious or persistent conditions, call a doctor or emergency medical care.

Inhalation: Move to fresh air, keep warm and allow to rest. Inhalation of vapours in high concentration may cause irritation of respiratory system.

Skin Contact: Remove contaminated clothing and shoes. Wash off with soap and water. Wash contaminated clothing before re-use.

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids.

Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre.

Advice to Doctor: Treat symptomatically.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: Incomplete combustion and thermolysis produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentrations.

Extinguishing Media: Suitable extinguishing media are carbon dioxide, foam, water spray/fog and ABC powder. Do not use a solid water stream as it may scatter and spread fire.

Fire Fighting: Wear self-contained breathing apparatus and protective suit. Cool containers/tanks with water spray, fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6 - Accidental Release Measures

Accidental Release: Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained. Dam up and contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in a container for disposal according to local/national regulations. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling: When using, do not eat, drink or smoke. Use only in well-ventilated areas. Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into work-wear pockets.

Storage: Keep away from food, drink and animal feeding stuffs. Keep in a bonded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture and strong oxidising agents.

Section 8 - Exposure Controls and Personal Protection

Respiratory Equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS221**

General Information: If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied. The product should not be allowed to enter drains, water courses or the soil.

Exposure Limits: Oil mist: 10mg/m³ for 15 minutes. Oil mist: 5mg/m³ for 8 hours.

Technical Measures: Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use a respirator with combination filter for vapour/particulate (EN14387). The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses.

Hand Protection: Wear hydrocarbon-proof gloves made out of either fluorinated rubber or nitrile rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts and abrasion. If used in solution, or mixed with other substances, and under conditions which differ from EN374, contact the supplier of the EC approved gloves.

Eye Protection: If splashes are likely to occur, wear safety glasses with side-shields.

Skin Protection: Wear suitable protective clothing such as protective shoes or boots and long sleeved clothing.

Section 9 - Physical and Chemical Properties:

Physical Description & Colour:	Yellow liquid
Odour:	Characteristic odour
Density/Specific Gravity:	855kg/m ³ at 15°C
Flashpoint:	>242°C (C.O.C.)
Autoignition Temperature:	No data
Water Solubility:	Insoluble
Kinematic Viscosity:	121mm ² /s at 40°C

Section 10 - Stability and Reactivity

Reactivity: The product is stable under recommended storage conditions.

Conditions to Avoid: Heat (temperatures above flashpoint), sparks, ignition points, flames, static electricity.

Incompatible Materials: Strong oxidising agents.

Section 11 - Toxicological Information

Inhalation: Not classified. Inhalation of vapours in high concentration may cause irritation of the respiratory system.

Skin Contact: Not classified. Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

Ingestion: Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Sensitization: Not classified as a sensitiser.

Mutagenicity: This product is not classified as mutagenic.

Reproductive Toxicity: This product does not contain any known or suspected reproductive hazards.

Carcinogenicity: This product is not classified as carcinogenic. During use in engines, contamination of oil with low levels of combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used oil is not expected to have serious effects in human if the oil is thoroughly removed by washing with soap and water.

Section 12 - Ecological Information

Acute Aquatic Toxicity:

Zinc alkyldithiophosphate 68649-42-3

Toxicity to Daphnia and Other Aquatic Invertebrates

- EC₅₀ (48h) (*Daphnia magna*) 1-1.5mg/L

Toxicity to Fish

- LC50 (96h) (*Pimephales promelas*) (static) 1-5mg/L
- LC50 (96h) (*Pimephales promelas*) (semi-static) 10-35mg/L

Mobility:

- **Air:** Loss by evaporation is limited.
 - **Soil:** Given its physical and chemical characteristics, the product generally shows low soil mobility.
 - **Water:** The product is insoluble; it spreads on the surface of the water.
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Section 13 - Disposal Considerations

Disposal: Should not be released into the environment. Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. After use, this oil must be sent to a used oil collection location. Incorrect disposal of used oil endangers the environment. Every mixture with foreign substances such as solvents, brake and cooling liquids is forbidden. Empty containers should be taken to an approved waste handling site for recycling or disposal. The following Waste Codes are only suggestions: 13 02 06. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14 - Transport Information

Section 15 - Regulatory Information

New Zealand Regulatory Information:

HSNO Approval Number	HSR002605
HSNO Group Standard	Lubricants (Low Hazard) Group Standard 2006
HSNO Classification	6.3 - SKIN IRRITATION - Category B 6.4 - EYE IRRITATION - Category A (Irritant) 9.1 - AQUATIC ECOTOXICITY - Category D

Section 16 - Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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