

Material Safety Data Sheet



Section 1 - Identification of the Material and Supplier

Product Name: Hi Perf 2T Sport
Product Code:
Product Use: Two Stroke Gasoline Engine Lubricating Oil
Supplier: Oil Imports Limited
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NEW ZEALAND
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EMERGENCY

TELEPHONE NUMBER: 0800 734 607 (New Zealand)

Chemical Nature: Petroleum-derived severely refined mineral-base product, in which the polycyclic aromatic hydrocarbons (PCA or PAH) content, measured by IP346 is less than 3%.

Creation Date: December 2013

This Version Issued: January 2014 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
Alkylphenol	74499-35-7	<0.05	
C.I. Solvent Blue 98	74499-36-8	<0.025	
Xylene	1330-20-7	<0.03	
Ethylbenzene	100-41-4	<0.0072	
Dipropyleneglycol monomethyl ether	34590-94-8	<0.003	
Distillate (petroleum), hydro-treated middle	64742-46-7	<25	R-65

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: Immediately remove all soiled or stained clothing. Wash the affected area immediately and repeatedly with soap and water. Wash contaminated clothing before re-use.

Eye Contact: Keep eyes open and rinse thoroughly with plenty of water for at least 15 minutes, also under the eyelids.

Aspiration: If the product is believed to have entered the lungs (in case of vomiting, for example), take the person to hospital for immediate care.

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 and 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: ON SOIL: Surfaces on which the product has been spilled may become slippery. Do not allow the product to enter sewers or rivers or contaminate the soil. Recover by mechanical means such as pumps and skimmers. ON WATER: Floating absorbent material, then mechanical recovery. If the product is spilled in a river or in the sewers, notify the authorities of the possible presence of floating items.

Section 7 - Handling and Storage

Handling: Ventilate extensively if the formation of vapour, fumes, mist or aerosol is a risk. Make all the necessary arrangements in order to reduce exposure risk, notably to product in use or to wastes. Keep away from combustible substances, keep away from food and beverages. Empty containers may be flammable or explosive. There is a fire hazard associated with rags, papers or any other material used to remove spills which become soaked with product. Avoid static electricity build up with connection to earth. Set up machinery and equipment so as to avoid the risk of accidental spills or splashes onto hot machine parts and electrical contacts (on joint failures, for example).

Storage: Make the necessary arrangements to prevent water and soil pollution. Store at room temperature, protected against contact with water and moisture and away from any source of ignition. Keep containers closed when not in use. Do not store exposed to the elements. Dangerous reaction with strong oxidising agents. Use only hydrocarbon resistant containers, joints, pipes etc. Keep in original container if possible.

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**

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

Technical Measures: Use the product in a properly ventilated atmosphere. When working in enclosed places (tanks, reservoirs etc.), make sure that the atmosphere is not suffocating and/or wear recommended equipment.

Hand Protection: Wear hydrocarbon-proof gloves made out of either nitrile or neoprene.

Eye Protection: Goggles, in case of splashing.

Skin Protection: As required, wear a face mask, hydrocarbon-proof clothing and safety boots (when handling drums). Don't wear rings, watches or similar jewellery which will be able to hold the product and may give rise to some skin diseases.

Hygienic Work Practices: Avoid prolonged and repeated contact with the skin, wash the affected area immediately and repeatedly with soap and water. Use no abrasives, solvents or fuels. Do not use cloths stained with the product to dry hands. Do not put the product-soaked rags in the pockets of working clothes. Do not eat, drink or smoke while handling the product.

Section 9 - Physical and Chemical Properties:

Physical Description & Colour:	Clear blue liquid
Odour:	Characteristic odour
Density/Specific Gravity:	868kg/m ³ at 15°C
Flashpoint:	>130°C (ASTM D 92)
Autoignition Temperature:	>100°C (ASTM E 659) This temperature may be significantly lower under particular conditions (slow oxidation of finely divided materials).
Water Solubility:	Insoluble and immiscible.
Solubility in Other Solvents:	Soluble in many common organic solvents.
Kinematic Viscosity:	11.1mm ² /s at 100°C

Section 10 - Stability and Reactivity

Reactivity: The product is stable under normal storage, handling and use conditions.

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

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Incomplete combustion and thermolysis produce more or less toxic gases such as CO, CO₂, various hydrocarbons, aldehydes and soot.

Section 11 - Toxicological Information

Inhalation: Risk is improbable under normal conditions of use. Inhalation or important concentration of vapour or aerosols may cause irritation of the upper respiratory tract.

Skin Contact: Risk is improbable under normal conditions of use. Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

Ingestion: In case of ingestion of small quantities, no important effect is observed.

Sensitization: To our knowledge, the product does not induce sensitization.

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

Ecotoxicity: Experimental data on the finished product are not available. No information available for used product. It is considered to present a little danger to aquatic life.

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.

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 05. 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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