

# MATERIAL SAFETY DATA SHEET

01/01/2015

Page: 1 of 5

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## 1. PRODUCT IDENTIFICATION

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**Product Name:** Tailwell2 Lubricant

**Supplier:** Shoof International Ltd  
Private Bag 522, Cambridge 3450, New Zealand  
Phone: +64 7827 3902  
Fax: +64 7827 7596  
Website: www.shoof.co.nz

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## 2. HAZARDOUS INGREDIENTS

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Hazardous Ingredients	Concentration %	C.A.S. #	Exposure Limit	LD <sub>50</sub> (Species/Route)	LC <sub>50</sub> (Species/Route)
WHITE MINERAL OIL	66%	8042-475	TLVTWA ;5MG/M3	TLVTWA ;5MG/M3	

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## 3. PHYSICAL DATA

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<b>Physical State:</b>	Liquid.
<b>Appearance &amp; Odour:</b>	Light amber colour, clear. Pleasant thin odour.
<b>Odour Threshold (ppm):</b>	Not Applicable.
<b>Specific Gravity (H<sub>2</sub>O = 1.0):</b>	1.05 (15.6°C / 60°F)
<b>Vapour Pressure:</b>	Not Applicable.
<b>Vapour Density:</b>	Not Applicable.
<b>Evaporation Rate:</b>	Not Applicable.
<b>Boiling Point:</b>	>230°C (>446°F)
<b>Pour Point:</b>	-27°C (-17°F)
<b>Solubility In Water:</b>	Partially
<b>pH (50:50 Water Extraction):</b>	9.0
<b>Density:</b>	1.05 g/ml
<b>Coefficient of Water/Oil Dist.:</b>	< 1.0

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## 4. FIRE & EXPLOSION DATA

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<b>Flammability:</b>	<b>Low Hazard. Not controlled within WHMIS Division Class B.</b> Non-flammable at ambient temperature. Liquid may burn at temperatures above flash point, if exposed to an open flame.
<b>Means of Extinction:</b>	<b>Carbon Dioxide foam, dry chemical.</b> Keep containers cool with water spray. When fighting a fire, treat as a petroleum product, wear protective clothing and avoid breathing fumes. Avoid spreading with water flooding.

# MATERIAL SAFETY DATA SHEET

01/01/2015

Page: 2 of 5

<b>Flash Point, ASTM D92:</b>	163°C (325°F)
<b>Upper Flammability Limit:</b>	Not Applicable.
<b>Lower Flammability Limit:</b>	Not Applicable.
<b>Auto Ignition Temperature:</b>	Not Applicable.
<b>Combustion Products:</b>	Oxides of carbon, sulfur, and dense smoke.
<b>Explosion Hazard:</b>	None.

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## 5. REACTIVITY DATA

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<b>Chemical Stability:</b>	Stable.
<b>Incompatibility:</b>	Avoid contact with oxidizing agents.
<b>Reactivity:</b>	No reactivity.
<b>Polymerization:</b>	Will not occur.
<b>Decomposition Products:</b>	Oxides of carbon, sulfur and dense smoke.

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## 6. PRODUCT AND COMPANY IDENTIFICATION

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### Route of Entry:

<b>Skin Contact</b>	-	Frequent or prolonged contact may irritate the skin and cause a skin rash.
<b>Skin Absorption</b>	-	No evidence of adverse effects from available information. Prolonged contact may cause mild irritation.
<b>Eye Contact</b>	-	Slight irritation to eyes but will not injure eye tissue.
<b>Inhalation</b>	-	No inhalation dangers at room temperatures as there are no vapours. If the product is misted, high concentrations of vapour and/or mist may cause irritation, experienced as nasal discomfort and discharge.
<b>Ingestion</b>	-	No significant hazard. Minimal toxicity. Ingestion of large amounts may cause intestinal obstruction. If drawn into lungs from swallowing or vomiting, may cause bronchiopneumonia or pulmonary edema.
<b>Effect of Chronic Exposure:</b>		Repeated exposure over prolonged periods of time may cause irritation to the skin, respiratory system and eyes. Follow good industrial hygiene practices to avoid exposure.
<b>Effect of Acute Exposure:</b>		Breathing mist caused by high temperature or swallowing large quantities may be irritating to skin, respiratory system, mucous membranes and eyes.
<b>Exposure Limits:</b>		For oil mists, 10mg/m <sup>3</sup> recommended, based on ACGIH-STEL, 5mg/m <sup>3</sup> OSHA PEL.
<b>Irritancy of Product:</b>		Eye - mild irritant. Skin contact - slightly irritating with prolonged and repeated contact.
<b>Sensitization:</b>		Repeated or prolonged contact may cause sensitization in some individuals.

# MATERIAL SAFETY DATA SHEET

01/01/2015

Page: 3 of 5

<b>Carcinogenicity:</b>	This product contains material that has not been listed as a carcinogen or potential carcinogen by either the National Toxicology Program, International Agency for Research on Cancer, or the Occupational Safety and Health Administration.
<b>Teratogenicity:</b>	No information is available and no adverse effects are anticipated.
<b>Mutagenicity:</b>	No information is available and no adverse effects are anticipated.

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## 7. PREVENTATIVE MEASURES

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### **Personal Protective Equipment:**

The selection of personal protective equipment varies depending upon conditions of use. Where prolonged and/or repeated skin and eye contact is likely to occur, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Respiratory protection is not expected, however, where high temperature applications or exposure occurs to misting, wear a NIOSH approved (or equivalent) organic vapour cartridge. Use self-contained breathing apparatus in emergency situations.

### **Engineering Controls:**

No specific requirements under ordinary conditions of use and with adequate ventilation. Local ventilation is recommended if oil mist is present.

### **Leak and Spill Procedures:**

Eliminate all ignition sources. Isolate hazard area and restrict access. If applicable, wear appropriate breathing apparatus and protective clothing. Use absorbent material to collect and contain small spills for disposal. For large spills remove by mechanical means and place in containers. Wash area with suitable detergent and thoroughly rinse.

**Provincial (State) and Federal** regulation may require that environmental and/or other agencies be notified of an incident. Spills must be cleaned and restored to original condition or to the satisfaction of authorities.

### **Waste Disposal:**

Dispose of contaminated products and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate local, provincial (state) and federal regulatory agencies to ascertain proper disposal procedures.

# MATERIAL SAFETY DATA SHEET

01/01/2015

Page: 4 of 5

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## 8. STORAGE & HANDLING

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<b>Storage Needs:</b>	Store in a cool, well ventilated area, not to exceed 50°C (122°F). Keep away from heat, spark and open flame.
<b>Handling:</b>	Avoid excess heat, formation of oil mist, breathing vapours and mist from hot oil, and prolonged or repeated contact with skin.
<b>Waste Disposal:</b>	Do not puncture or incinerate containers, even when empty. Dispose of empty containers in accordance with local, provincial(state) and federal regulations.

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## 9. FIRST AID

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<b>Skin Contact</b>	- Wash well with soap and water. Launder clothes prior to re-use.
<b>Eye Contact</b>	- Flush with clean, tepid water for at least fifteen(15) minutes. If irritation persists, consult physician.
<b>Inhalation</b>	- If excessive fumes, remove victim to fresh air. If no relief is obtained, consult physician.
<b>Ingestion</b>	- Do not induce vomiting. Call physician immediately.

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## 10. REGULATORY INFORMATION

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**Department of Transport:** Not Applicable.

**Toxic Substance Control Act:** Components of this product are listed on the TSCA Inventory.

**CERCLA:** If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

**SARA Title III:** Under the provisions of Title III, Section 311/312 of the Superfund Amendments and Re-authorization Act, this product is classified into the following hazard category: **NONE**.

**SARA Title 313 Extremely Hazardous Substance:** This product does not contain >1% of any chemical substances listed under SARA Section 313.

**OSHA Hazard Communication Standard 29 CFR 1910.1200:** This product is not classified as hazardous under 29 CFR 1910.1200.

**California Proposition 65:** Chemicals in this product are not listed.