

MATERIAL SAFETY DATA SHEET

PRODUCT NAME : OIL - TELLUS™ 150

1. Product and Company Identification

Product name: Tellus 150 Oil
Synonyms: None
Item Numbers: H110-21-005

European Contact Details

Edwards, Manor Royal, Crawley
West Sussex, RH10 9LW, England

General enquiries

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Germany : +(49) 6420-82-410
Italy : +(39) 0248-4471

US Contact Details

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Wilmington, MA 01887

General enquiries

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Toll Free: 1-800-848-9800

24 h Emergency telephone number:

Chemtrec: 1-800-424-9300

2. Composition/Information on Ingredients

Ingredient	% Weight	CAS No	Hazard class*	Risk phrase*
Highly refined mineral base oil derived from crude petroleum, with additives	Percentage composition not available	Not allocated	Not applicable	Not applicable

*Hazard class & Risk phrase. These columns are only completed for ingredients which are classified as hazardous under EU Directive (67/548/EEC, as amended) and are present in sufficient concentration to make the overall substance hazardous. In all other situations, the column will be completed as "Not applicable".

3. Hazards Identification

EMERGENCY OVERVIEW

The product has a low coefficient of friction and therefore represents a slip hazard. Excessive and prolonged inhalation of oil mists may cause a chronic inflammatory reaction of the lungs and a form of pulmonary fibrosis. Repeated and prolonged skin exposure may cause dermatitis. Mineral base oil does not biodegrade in aerobic conditions and hence can be persistent. It contains components, which have high potential to bioaccumulate.

For short and long term exposure effects see Section 11 Toxicological data.

Eye Effects: Eye contact may cause some discomfort.

Skin Effects: Toxicity following single exposure is of low order. Repeated and prolonged skin exposure may cause dermatitis.

Ingestion/Oral Effects: Toxicity following single exposure is of low order. The main hazard in the event of ingestion is aspiration into the lungs with possible resultant chemically induced pneumonia - see Section 4 (Other Information).

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Inhalation Effects: Under normal conditions of use, inhalation of vapours is not feasible or likely to present an acute hazard. However, excessive and prolonged inhalation of oil mists may cause a chronic inflammatory reaction of the lungs and a form of pulmonary fibrosis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: May aggravate pre-existing skin disorders.

NFPA Hazard codes		HMIS Hazard codes		Rating System
Health	1	Health	1	0 = No Hazard
Flammability	1	Flammability	1	1 = Slight Hazard
Instability	0	Reactivity	0	2 = Moderate Hazard
				3 = Serious Hazard
				4 = Severe Hazard

4. First Aid Measures

- Eyes:** Flush the eye thoroughly with water. If discomfort persists seek medical attention.
- Skin:** Skin contact does not normally require first aid. Contaminated skin should be washed with soap and water. If persistent irritation occurs, medical advice should be sought without delay.
- Ingestion/Oral:** If ingestion is suspected, wash out the mouth with water and send to hospital immediately. DO NOT induce vomiting. Show this data sheet to the physician.
- Inhalation:** Under normal conditions of use, inhalation of vapours is not feasible nor likely to present an acute hazard. If high concentrations of mists or fumes are inhaled, remove to fresh air. If breathing problems occur, a qualified individual should administer oxygen or artificial respiration as indicated. Seek immediate medical attention.
- Other Information:** If product is injected under the skin, seek immediate medical attention to prevent possible serious injuries. Do NOT wait for symptoms to develop.

5. Fire Fighting Measures

- Extinguishing Media:** Use water spray to cool surfaces exposed to fire and to protect personnel. Shut off source of fuel to the fire if safe to do so. Extinguish with foam, dry chemical, carbon dioxide, or water spray. Cover liquid spills with foam. Do not use a direct stream of water as this may spread the fire.
- Fire and Explosion Hazard:** Avoid spraying water directly into storage containers due to danger of boilover. Containers may explode if exposed to fire. Carbon monoxide, carbon dioxide and dense smoke are produced on combustion.
- Special Protective Equipment for Fire Fighters:** In confined spaces or for large fires, fire fighters should wear a self-contained breathing apparatus (SCBA) which meets appropriate standards operated in positive pressure mode, and full turnout gear.

For Flammability Properties - see Section 9

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6. Accidental Release Measures

Remove/extinguish sources of ignition. Avoid inhalation and contact with skin and eyes. Stop the leak if it is safe/possible to do so. Use dykes to prevent spreading.

Use suitable inert absorbent materials to absorb spilled product. Dispose of collected product safely: see Section 13 "Disposal Considerations".

Avoid contaminating sewers, streams, rivers and other water courses with spilled product. Notify the appropriate authorities if significant contamination occurs.

7. Handling and Storage

Handling: Keep away from sources of ignition. Avoid inhalation and contact with skin and eyes. In case of insufficient ventilation, wear suitable respiratory equipment. Practice good personal hygiene. Wash hands after handling and before eating. Launder work clothes frequently. Dispose of contaminated leather clothes and shoes and other contaminated clothing items which cannot be properly cleaned.

Storage: Store in tightly closed containers in cool, dry and well-ventilated areas. Store away from heat, sources of ignition, and incompatible materials: see Section 10 "Stability and Reactivity".

8. Exposure Controls/Personal Protection

Exposure Limits:

Ingredient	ACGIH - TLV -	OSHA - PEL	Occupational Exposure Limits EH40 (UK)
Highly refined mineral base oil derived from crude petroleum	5 mg/m ³ - 8H TWA ⁽¹⁾ 10 mg/m ³ - STEL (as oil mist, mineral)	5 mg/m ³ - 8 H TWA ⁽²⁾ (as oil mist, mineral)	5 mg/m ³ - 8 H TWA ⁽²⁾ 10 mg/m ³ - STEL ⁽²⁾

(1) As sampled by a method which does not collect vapour.

(2) Government limits for oil mists.

Personal Protection:

Engineering Measures: Where vapours or mists may be present, use mechanical ventilation to keep exposure to airborne contaminants below the recommended exposure limits. Ensure that eye wash stations and emergency showers are close to working areas.

Respiratory Protection: Special ventilation is not necessary for normal applications. Where vapour/mist concentrations in air may exceed the exposure limits (and where engineering or other means of exposure reduction are not adequate) use an approved respirator.

Hand/Skin Protection: Wear appropriate chemically protective gloves for prolonged or repeated use. When handling hot product, ensure that gloves are heat resistant and insulated.

Eye/Face Protection: Wear chemical goggles/glasses or face shield where splashing may occur.

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Hygiene Measures: Practice good workplace hygiene. Do not eat or smoke when handling. Wash hands after handling and before eating.

Other/General Protection: Wear appropriate clothing with long-sleeves and full-length trousers to prevent skin contact. Wear appropriate protective footwear.

9. Physical and Chemical Properties

Appearance and Odour	Light coloured liquid with hydrocarbon odour	Boiling point	No data available	°C/°F
pH (as supplied)	No data available	Freezing Point	No data available	°C/°F
Solubility in Water	Insoluble	Auto Ignition	No data available	°C/°F
Volatile Content by Volume	No data available	Flash Point	> 230 / 446	°C/°F
Specific Gravity	No data available			
Vapour Pressure (mbar)	No data available	Vapour Pressure (Torr)	No data available	

10. Stability and Reactivity

Stability: Stable under normal working conditions.

Material/Conditions to Avoid: Strong oxidising agents, high temperatures

Hazardous Decomposition: Will release carbon oxides, smoke and irritating vapours when heated to decomposition temperatures.

Hazardous Polymerisation: Will not occur.

11. Toxicological Information

For a comprehensive description for the various toxicological (health) effects which may arise if the user comes into contact with the substance or preparation refer to Section 3 Hazards Identification.

Animal data:

LD50 value: No data available.

LC50 value: No data available.

Carcinogenicity:

No known carcinogenic effects.

12. Ecological Information

This product is not readily biodegradable. No other ecological information is available.

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13. Disposal Considerations

If recycling is not practicable, dispose of the product and used containers in accordance with all local and national requirements.

Waste product can be incinerated at a licensed disposal plant. Waste containers can be reused after thorough washing, or be sent to landfill sites.

14. Transport Information

This product is not classified as dangerous under transport regulations.

PARAMETER	EUROPEAN	CANADIAN TDG	UNITED STATES DOT
Proper Shipping Name	Not applicable	Not applicable	Not applicable
Hazard Class	Not applicable	Not applicable	Not applicable
Identification Number	Not applicable	Not applicable	Not applicable
Shipping Label	Not applicable	Not applicable	Not applicable

15. Regulatory Information

European Regulatory Information

This product has been classified in accordance with the Dangerous Substances Directive (67/548/EEC, as amended) and the Preparations Directive (88/379/EEC, as amended), implemented in the UK as the Chemical (Hazard Information and Packing) Regulations 1994 (CHIP, as amended).

Classified as dangerous to supply : No

Risk Phrases : Not applicable

Safety Phrases : Not applicable

Symbols : None

United States Regulatory Information

All materials contained in this product are on the U.S. Toxic Substances Control Act (TSCA).

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION:

This product does not contain toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986 and 40 CFR Part 372.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

Canadian Regulatory Information

WHMIS Classification: D2B

All ingredients contained in this product are included on the Canadian DSL.

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16. Other Information

This MSDS is compiled in accordance with ANSI Z400.1 and the EU Safety Data Sheet Directive 91/155/EEC.

Sources of information for this data sheet:

- Shell Canada Limited "TELLUS 150" Material Safety Data Sheet. Ref: 407-166. Revision Number: 5, Effective Date: 2006-06-07.

Glossary:

ACGIH - American Conference of Governmental Industrial Hygienists; ANSI - American National Standards Institute; Canadian TDG - Canadian Transportation of Dangerous Goods; CAS - Chemical Abstracts Service; Chemtrec - Chemical Transportation Emergency Center (US); CHIP - Chemical (Hazard Information and Packing); DSL - Domestic Substances List; EH40 (UK) - HSE Guidance Note EH40 Occupational exposure limits; EPCRA - Emergency Planning and Community Right-to-Know Act; HMIS - Hazardous Material Information Service; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OSHA - Occupational Safety and Health Administration, US department of Labour; PEL - Permissible exposure limit; SARA (Title III) - Superfund Amendments and Reauthorization Act; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self-Contained Breathing Apparatus; STEL - Short Term Exposure Limit; TLV - threshold limit value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-Weighted Average; US DOT - US Department of Transportation; WHMIS - Workplace Hazardous Materials Information System.

Revisions:

Nov 2007 - Data Sheet updated to reflect the latest supplier safety information.

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