



## Material Safety Data Sheet

The Toro Company  
8111 Lyndale Ave S  
Bloomington, MN 55420

Revision Date: 07/25/09

Issue Date: 08/08/09

### Product Identification

<b>Product Name:</b>	Toro-Hypr-Oil 500 (Hydro Oil)	<b>Parts Number:</b>
<b>Product type:</b>	Oil	114-4713, 505-164
<b>MSDS #</b>		
<b>Emergency Contact:</b>	Chemtrec : 1-800-424-9300	
<b>Contact Number:</b>	1-952-888-8801	

### Chemical Components

Chemical	CAS #	%	ACGIH TLV	OSHA PEL	Other
Mineral Oil		85	5 mg/M3	5 mg/M3	
Proprietary additives		15			

SARA Section 313 Toxic Chemical Release Reporting: Products used for maintaining motor vehicles are specifically exempted from Title 313 reporting. § 372.38  
OSHA & ACGIH have set the exposure limit for mineral oil at 5 mg/M3 for oil mist in air.

### Physical and Chemical Properties

Characteristics		Physical Properties		Hazards Description	Physical Dangers
<b>Physical State</b>	oily liquid	Vapor pressure	0.01 (mm Hg)	Avoid contact with strong oxidants such as chlorine gas  Hazardous Decomposition or Byproducts: Fumes, smoke, COx, SOx, NOx ,when combusted	Flash Point (C.O.C.) oF Flammable Limits LEL UEL 425 min 1 7 Extinguishing Media Carbon dioxide, water, spray, foam, dry chemical Special Fire Fighting Procedures Use self contained breathing apparatus for fighting fires in enclosed areas. Unusual Fire and Explosion Hazards Directly spraying extinguishing media onto hot burning products may cause frothing and spreading
<b>Color</b>	Brown	pH			
<b>Odor</b>	characteristic odor	Boiling point/range:	500oF		
		Melting point/range:	NA		
		Specific gravity	0.9 (H2O = 1)		
		Vapor density	5 (AIR = 1)		

<b>HMIS Rating</b>		Evaporation rate	<0.01 (Butyl Acetate = 1)		of fire.
Health:	1	Solubility in water	Very slight at room temperature		
Flammability:	1	VOC content:			
Physical Hazard:	0				

### Health Hazards

Routes of Exposure:		Ingredients Considered Hazardous to Health	Potential Health Effects:
Inhalation	yes	N/A	<b>Inhalation.</b> Product has a low order of acute, oral, and dermal toxicity.
Skin	yes		<b>Skin contact:</b> Reddening and irritation of eyes or skin
Ingestion	yes		<b>Eye contact:</b> Reddening and irritation of eyes or skin
			<b>Ingestion:</b> Product has a low order of acute, oral, and dermal toxicity.

First Aid Measures	Accidental Release Measures	Personal Protection
<p>Skin contact: Wash with a mild soap containing lanoline or other emollients.</p> <p>Eye contact: Flush eyes with clear water for 15 minutes and contact a physician if irritation persists.</p>	<p>Workers should wash exposed skin several times with soap and water.</p> <p>Soiled work clothing should be laundered or dry-cleaned.</p>	<p>Respiratory Protection (Specify Type) Organic vapor mask should be used if mechanical ventilation is insufficient.</p> <p>Ventilation Local Exhaust X Special NA Mechanical(General) To meet TLV Other NA</p> <p>Protective Gloves Use oil resistant gloves to avoid prolonged or repeated skin contact.</p> <p>Other Protective Clothing or Equipment Use splash goggles or face shield when eye contact may occur.</p> <p>Use chemical resistant apron to avoid contaminating regular clothing if needed.</p>

### Fire and Explosion Hazards

Extinguishing Media	Special Fire Fighting Procedures	Unusual Fire and Explosion Hazards
Carbon dioxide, water, spray, foam, dry chemical	Use self contained breathing apparatus for fighting fires in enclosed areas.	Directly spraying extinguishing media onto hot burning products may cause frothing and spreading of fire.

## Handling and Storage

Accidental Release /Spill Measures to Take	Precautions for Storage	
Recover free product. Add sand, earth, or other absorbent to spill. Minimize skin contact. Keep product out of sewers and waterways. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas	Store away from heat, sparks and other ignition sources. "Empty" containers retain residual oil. Do not pressurize, cut, weld, solder, drill, grind or expose drums to other ignition sources	

## Disposal / Transportation

Disposal Method				
Dispose of material in a licensed landfill or incineration facility in accordance with local, state, and federal regulations.				