



Wakefield Canada Inc.
3660 Lake Shore Blvd. West
Toronto ON. M8W 1P2
Canada
416-252-5511

PRODUCT: WAKEFIELD SYNTHETIC GEAR OIL SAE50

CODE: 4402600

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier Identifier..... Wakefield Canada Inc.
3660 Lake Shore Blvd. West
Toronto ON. M8W 1P2
Canada
416-252-5511

Product Identifier..... WAKEFIELD SYNTHETIC GEAR OIL SAE50
Other means of Identification..... 4402600
Product codes..... 4402600, 4402659.
Recommended Use..... Lubricant. This product should not be used for any other purpose other than the ones described in this section.

Emergency telephone number..... In the event of a transport emergency contact Canutec at (613) 996-6666. For product service contact Wakefield Canada Inc. at (800) 462-0835 .

SECTION 02: HAZARDS IDENTIFICATION



Signal Word..... WARNING.

Hazard Classification..... SKIN IRRIT 2. SKIN SENS 1.

Hazard Statements..... H315 Causes skin irritation. H317 May cause an allergic skin reaction.

Prevention..... P280 Wear protective gloves and eye protection. P264 Wash thoroughly after handling.
P261 Avoid breathing dust, vapor, mist or spray. P272 Contaminated work clothing should not be allowed out of the workplace.

Response..... P302+P352 IF ON SKIN: Wash with plenty of water. P321 Specific treatment see section 4 on this SDS. P332+P313 If skin irritation occurs: Get medical attention. P362+P364 Take off contaminated clothing and wash before reuse. P333+P313 If skin irritation or rash occurs: Get medical attention.

Disposal..... P501 Dispose of contents and empty containers in accordance with local regulations.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Di-tert-butyl polysulfide	68937-96-2	1-5
Phosphoric acid esters/amine salt	Acc# 11145-3	<2
- Oil mist	Not available	60-100

SECTION 04: FIRST AID MEASURES

Routes of exposure

Eye Contact..... Check for and remove contact lenses. Immediately flush with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.

Skin Contact..... In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately. .

Ingestion..... Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Inhalation..... Inhalation at ambient temperature is unlikely. . If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Medical attention and special treatment..... In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet. Treat symptomatically.

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SECTION 05: FIRE FIGHTING MEASURES

Extinguishing Media..... Water spray, Carbon dioxide (CO₂), Foam, Dry chemical. Water can be used to cool and protect exposed material. Do not use water jet.

Hazardous Combustion Products..... Carbon dioxide, Carbon monoxide. Products of incomplete combustion. Smoke. Nitrogen oxides. Unidentified toxic and/or irritating compounds. Sulfur oxides. Phosphorous oxides.

Special Fire Fighting Procedures..... Use self-contained breathing apparatus and full firefighting gear. Decomposition and combustion products may be toxic. Cool containers with water spray.

Unusual Fire/Explosion Hazards..... Use standard procedures for chemical fires. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. .

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions..... No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). Product is very slippery when spilled and may create a trip or fall hazard.

Emergency Procedures..... Avoid skin and eye contact. Contain the spill. Do not allow spilled product to enter sewers, drains, or any other waterway. Absorb spilled material. Shovel or pump to properly identified waste containers. Dispose of spilled material in accordance with local regulations.

Methods and Materials used for Containment Absorb with an inert dry material and place in an appropriate waste container. For large spills provide diking to prevent spreading. Use a vacuum to collect the product.

SECTION 07: HANDLING AND STORAGE

Handling Precautions..... Avoid all skin, eye contact, and mouth contact. Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not breathe vapor or mist. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage Requirements..... Keep away from open flames and high temperatures. Keep container tightly closed in a well ventilated area.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
Di-tert-butyl polysulfide	Not established		Not established		Not established
Phosphoric acid esters/amine salt	Not established		Not established		Not established
- Oil mist	5 mg/m3 (oil mist)	10 mg/m3 (oil mist)	5 mg/m3 (oil mist)		5 mg/m3 (oil mist) TWA
Protective Equipment					
Clothing/Type	Wear adequate protective clothing to prevent skin contact.				
Eye/Type.....	If potential for contact with liquid or vapor exists, use splash-proof safety goggles and a faceshield or other approved eye protection.				
Gloves/Type.....	Wear impervious gloves. Neoprene. Nitrile. PVC.				
Footwear/Type.....	Wear safety boots per local regulations.				
Respiratory/Type.....	Not normally required if good ventilation is maintained. NIOSH approved respirator recommended if vapours or mists are generated .				
Other/Type.....	Emergency eye wash station and shower should be available.				
Engineering Controls.....	Not required for intended use - in confined spaces ensure that there is adequate ventilation.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... Liquid - viscous.

Colour..... Light yellow.

Odour..... Sulphur like.

Odour Threshold (ppm)..... Not available.

Vapour Density (Air=1)..... > 1.

Vapour Pressure (mm Hg)..... Not available.

pH..... Not available.

Relative Density/Specific Gravity..... 0.856 @ 15C. (ASTM D4052).

Melting/Freezing Point..... -39 C. (pour point).

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Solubility..... Insoluble in water.
 Initial Boiling Point/Boiling Range..... Not available.
 Evaporation Rate..... Not available.
 Flash Point (deg C), Method..... 150. CLOSED CUP.
 Auto Ignition Temperature (deg C)..... Not available.
 Upper Flammable Limit (% Vol)..... Not available.
 Lower Flammable Limit (% Vol)..... Not available.
 Coefficient of Water/Oil Distribution..... Not available.
 Viscosity..... 131.8 cSt @ 40C. (ASTM D445).

SECTION 10: STABILITY AND REACTIVITY

Reactivity..... The product is stable and non-reactive under normal conditions of use, storage and transport.
 Chemical stability..... Stable at normal temperatures and pressures.
 Hazardous Polymerization..... Will not occur.
 Conditions to avoid..... Heat, open flame and oxidizing materials.
 Incompatible materials..... Strong oxidizing materials. Avoid heat, flame, and other possible sources of ignition.
 Hazardous Products of Decomposition..... Carbon dioxide. Carbon monoxide. Products of incomplete combustion. Irritating vapors. Smoke. Nitrogen oxides. Sulfur oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Di-tert-butyl polysulfide	Not available	Not available
Phosphoric acid esters/amine salt	Not available	Not available
- Oil mist	Not available	Not available
Route of Exposure.....	Skin contact, eye contact, inhalation.	
Effects of Acute Exposure.....	Prolonged exposure to eyes and skin may cause mild irritation, if any. May pose an aspiration hazard: May be fatal if swallowed and enters airways.	
Symptoms.....	May cause skin and eye irritation.	
Effects of Chronic Exposure.....	Prolonged or repeated skin contact may cause defatting and dermatitis . As a result of previous repeated overexposure or a single large dose, certain individuals develop sensitization which will cause them to react to a later exposure to product at levels below the exposure limit. Symptoms including chest tightness, wheezing, cough, shortness of breath, or asthma attack could be immediate or delayed. There are reports that once sensitized, an individual can experience these symptoms upon exposure to dust, cold air or other irritants. Sensitization can be permanent. Prolonged or repeated exposure may cause lung damage, including a decrease in lung function. Chronic exposure to organic solvents may cause permanent brain and nervous system damage. Prolonged contact may cause reddening, swelling, rash, scaling, blistering and in some cases sensitization. Prolonged vapour contact may cause conjunctivitis.	
Sensitization.....	May cause an allergic skin reaction.	
Carcinogenicity of Material.....	This product contains components that have shown to contain <3% DMSO extractable when tested using IP346 method. Product and components are not listed as IARC, ACGIH, or OSHA carcinogens. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a carcinogen.	
Aggravated Medical Conditions.....	Pre-existing skin disorders.	

SECTION 12: ECOLOGICAL INFORMATION

Environmental..... No data available.
 Persistence and degradability

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose of empty containers in accordance with local regulations or current recycling programs.
 Physical and Chemical Properties that may affect Disposal..... Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. Do not heat or cut empty containers with electric or gas torch .
 Sewage Disposal Comments..... Prevent this product from entering sewers, drains or any other water source.

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SECTION 14: TRANSPORT INFORMATION

TDG Classification..... Not Regulated.
Proof of Classification..... This product has been classified in accordance with DOT and Canada's Part 2 of the Transportation of Dangerous Goods regulations.

SECTION 15: REGULATORY INFORMATION

WHMIS 1988 Classification..... D2B.
CEPA Status..... All components of this product are listed on the Domestic Substance List (DSL) .
TSCA Inventory Status..... All components are listed on TSCA .

SECTION 16: OTHER INFORMATION

Prepared by Trivalent Data Systems Ltd. <http://www.trivalent.com> .
Disclaimer..... The information contained herein is based on information believed to be reliable. Wakefield Canada Inc. makes no warranties, express or implied, and assumes no liability with any use of this information.
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