


Section 1 - PRODUCT IDENTIFICATION AND USE			
Product Identifier: <b>SKF Grease LGMT 2</b>			
Part Number(s): <b>LGMT 2</b>			
Product Use: <b>Bearing lubricant.</b>			Specification: <b>N/Av</b>
Trade Name and Synonyms: <b>LGMT 2/1, LGMT 2/18, LGMT 2/50, LGMT 2/180, LGMT 2/0.2, LGMT 2/0.4</b>			
Manufacturer: <b>SKF Maintenance Products B.V., Post Box #1008, NL-3430 BA Nieuwegin, The Netherlands</b>			
Supplier: <b>SKF Canada Limited, 40 Executive Court, Scarborough, Ontario M1S 4N4</b>			
Emergency Telephone Number: <b>1. SKF, The Netherlands at +31 30 6307200</b> <b>2. SKF, Scarborough, Ontario at (416) 299-1220 (24 Hours)</b>			
WHMIS Classification	WHMIS Symbols	TDG Shipping Description	TDG Symbols
<b>Class D-2-B - Toxic Material</b>		<b>Not regulated</b>	<b>None required</b>

Section 2 - HAZARDOUS INGREDIENTS				
Hazardous Ingredients	%	CAS Number	LD <sub>50</sub> (mg/kg)	LC <sub>50</sub> (mg/m <sup>3</sup> /4 Hrs.)
<b>Mineral oil</b>	<b>30 - 60</b>	<b>64742-52-5</b>	<b>&gt;5000</b> (oral, rat); <b>&gt;5000</b> (dermal, rabbit)	<b>N/Av</b>
<b>Lubricating oil</b>	<b>30 - 60</b>	<b>74869-22-0</b>	<b>&gt;10,000</b> (oral, rat)	<b>N/Av</b>
<b>Lithium soaps</b>	<b>10 - 14</b>	<b>91001-47-7</b>	<b>N/Av</b>	<b>N/Av</b>
<b>Zinc as Zinc naphthenate</b>	<b>1 - 5</b>	<b>12001-85-3</b>	<b>4920</b> (oral, rat); <b>&gt;2000</b> (dermal, rabbit)	<b>&gt;2340</b>

N/Av = Not available and N/Ap = Not applicable

Section 3 - PHYSICAL DATA				
Physical State: <b>Liquid</b>	Odour and Appearance: <b>Mineral oil odour – Reddish brown colour</b>			Odour Threshold: <b>Not available</b>
Vapor Pressure (mm Hg @ °C): <b>Not available</b>	Vapour Density (Air =1): <b>Not available</b>	Evaporation Rate: <b>Not applicable</b>	Boiling Point: <b>Not available</b>	Freezing Point (C): <b>Not available</b>
pH: <b>7.0</b>	Specific Gravity: <b>&lt;1.00</b>	Coeff. Water/Oil Distribution: <b>Not available</b>		

Section 4 - FIRE AND EXPLOSION DATA		
Flammability: <b>This product is not considered flammable under normal handling conditions.</b>	If yes, under which conditions? <b>The component liquids may burn upon heating to temperatures at or above the flash point. Minor contamination by hydrocarbons of higher volatility may increase flammability. Empty containers may contain product residue. Do not pressurize, cut, weld or expose containers to flame or other sources of ignition.</b>	
Means of Extinction: <b>Dry chemicals (preferred), carbon dioxide, foam or water fog.</b>		
Special Fire Fighting Procedures: <b>Full protective clothing, including self-contained breathing apparatus, should be worn when fighting fires involving chemicals. Move containers from fire area if it can be done without risk. Spraying water or foam directly into burning storage containers may cause frothing and boilover. Keep container cool with water spray or fog.</b>		
Flashpoint (C) and Method: <b>&gt;150° C (COC)</b>	Upper Flammable Limit (% by vol.): <b>Not available</b>	Lower Flammable Limit (% by vol.): <b>Not available</b>
Autoignition Temperature (C): <b>Not available</b>	Hazardous Combustion Products: <b>Carbon dioxide, Carbon monoxide and smoke.</b>	
Explosion Data: <b>Not available</b>	Sensitivity to Impact: <b>Not available</b>	Sensitivity to Static Discharge: <b>Not available</b>

Section 5 - REACTIVITY DATA
Chemical Stability: <b>This is a stable material and will not react violently with water. Hazardous polymerization will not occur.</b> If no, under what conditions? <b>Not applicable</b>

**Section 5 - REACTIVITY DATA**

Incompatibility with Other Substances:

**Yes**If yes, which ones? **Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite. Also, nitrates or peroxides.**

Reactivity, and Under What Conditions?

**Emptied container still contains hazardous material which may ignite if heated and the container may explode.****Replace cap or bung. Do not weld, heat or drill container. Keep away from heat, sparks and open flame. *Caution!******Do not use pressure to empty container or explosion may result.***

Hazardous Decomposition Products:

**Carbon monoxide and smoke.****Section 6 - TOXICOLOGICAL PROPERTIES**Route of Entry: **Skin Contact  Eye Contact  Skin Absorption  Inhalation  Ingestion** 

Effects of Acute Exposure to Product:

***Skin Contact* – May cause slight or mild irritation. Prolonged contact is more irritating.*****Skin Absorption* – If the product is injected under the skin, severe health consequences can result.*****Eye Contact* – Causes irritation. Will not injure eye tissue.*****Inhalation* – Negligible hazard at normal temperatures (up to 38°C). Higher temperatures or mechanical activity may form vapours, mists or fumes which may irritate the upper respiratory tract.*****Ingestion* – Low toxicity.**

Effects of Chronic Exposure to Product:

***Skin Contact* - Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis (drying and cracking).**

Irritancy of Product:

**Not available**

Sensitization to Product:

**None known**

Carcinogenicity (IARC and ACGIH):

**None known**

Teratogenicity:

**None known**

Reproductive Toxicity:

**None known**

Mutagenicity:

**None known**

Toxicologically Synergistic Products:

**Not available**

Embryotoxicity:

**None known**Exposure Limits (ACGIH TLV-TWA): **Mineral oil - 5 mg/m<sup>3</sup> (*As Oil mist, mineral*).**

Toxicological data:

**Product - LD<sub>50</sub> = 10,000 mg/kg (oral, rat)****Ingredients – Refer to Section 2 for individual ingredient LD<sub>50</sub>'s and LC<sub>50</sub>'s.****Section 7 - PREVENTIVE MEASURES****Personal Protective Equipment**

Gloves:

**Chemical resistant gloves.**

Respirator:

**Where concentrations in air may exceed occupational exposure limits and prolonged exposure is otherwise unavoidable, use of approved respirator may be required to avoid overexposure.**

Eye:

**Wear safety glasses with side shields when eye contact may occur.**

Footwear:

**No special footwear required.**

Clothing:

**Wear chemical resistant apron and/or other impervious clothing, if necessary, to avoid contaminating regular clothing, which could result in prolonged or repeated skin contact.**

Other:

**Not available**

Personal Hygiene:

**Avoid prolonged or repeated skin contact with this material.****Remove soiled clothing and launder before reuse.****Wash hands, face and arms thoroughly, with soap and water, after handling product and before eating, drinking or using restroom.**

Engineering Controls (specify, e.g. ventilation, enclosed process.):

**Use this product with adequate ventilation.**

Leak and Spill Procedures:

**Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.****Ventilate area of release.****Stop further leaks and/or spills, if possible to do so, without hazard.****Do not allow this material to drain into sewers/water supplies.****Absorb the spilled material with sand, clay granules, diatomaceous earth or other absorbent, and scrape it up.****Thoroughly wash the area after a spill or leak clean-up.****Place this material in a container for proper disposal.****Notify the appropriate authorities as required.**

Waste Disposal:

**Dispose of waste material according to Local, Federal and Provincial Environmental Regulations.**

**Section 7 - PREVENTIVE MEASURES**

Handling Procedures and Equipment:

**Ensure adherence to label instructions.****Use with adequate ventilation. Wear suitable protective equipment.****Avoid breathing vapours or mists. Avoid contact with eyes, skin and clothing.****Keep container closed when not in use.****Do not heat product above the flash point (150° C).****Keep away from incompatibles.****Handle and open containers with care, to prevent a leak or a spill.****Warning: High pressure greasing equipment is capable of injecting product under the skin. Such apparatus should be handled with care. See Section 6.**

Storage Requirements:

**Store as a mineral oil product at temperatures between 15 – 29°C (60 – 85°F) in a well-ventilated area.**

Special Shipping Requirements:

**Ship as a mineral oil product. Refer to Section 1 for TDG Shipping Requirements.****Section 8 - FIRST AID MEASURES**

Specific Measures:

**Eyes:** In case of contact with eyes, rinse immediately with plenty of water, for at least 15 minutes.**Get immediate medical attention.****Inhalation:** If inhaled, remove the affected person immediately to fresh air. Administer artificial respiration, if breathing has stopped. Get medical attention.**Skin:** For skin contact, immediately wash thoroughly with soap and water, while removing contaminated clothing. Seek medical attention if irritation persists. Launder contaminated clothing before reuse. Subcutaneous injection may require surgical treatment.**Ingestion:** If the material is swallowed, get immediate medical attention. **DO NOT INDUCE VOMITING.** Never give anything by mouth to an unconscious person.**Section 9 - PREPARATION DATE OF MSDS**

Prepared by:

**SKF Canada Limited,  
40 Executive Court, Scarborough, Ontario  
M1S 4N4**

Phone Number:

**(416) 299-1220**

Date:

**July 22, 2004**

References:

**Manufacturer'/suppliers' MSDS.****Documents provided by the «Répertoire toxicologique de la CSST».****Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2004 (Chempendium and RTECs).****ACGIH, Threshold Limit Values and Biological Exposure Indices for 2003.**

Abbreviations:

<b>ACGIH</b>	<b>American Conference of Governmental Industrial Hygienists</b>
<b>CAS</b>	<b>Chemical Abstract Service</b>
<b>COC</b>	<b>Cleveland Open Cup</b>
<b>IARC</b>	<b>International Agency for Research on Cancer</b>
<b>LC</b>	<b>Lethal concentration</b>
<b>LD</b>	<b>Lethal Dosage</b>
<b>TDG</b>	<b>Transportation of Dangerous Goods Regulations in Canada</b>
<b>TLV</b>	<b>Threshold Limit Value</b>
<b>TWA</b>	<b>Time Weighted Average</b>
<b>WHMIS</b>	<b>Workplace Hazardous Materials Information System</b>