

# Material Safety Data Sheet

OCT 09, 2007

GTM YL-2			
<b>1. Identification of the substance/preparation and</b>			
Trade name			
Identification of the preparation		GTM YL-2	
Type of product		Semi-synthetic lubricating grease	
<b>2. Composition/information on ingredients</b>			
Main components		Refined oil and additives mixture	
Substances presenting a health hazard		None.	
Mixture			
Product name	property	Content %	CAS No.
ester		30	confidential
additives		4	confidential
Petroleum oil		51	64742-57-0
soap		15	7620-77-1
<b>3. Hazards Identification</b>			
Dangerous substances		None.	
<b>4. First-aid measures</b>			
Route of exposure		Seek medical advice immediately.	
-Skin contact		Remove by wiping. Wash skin as soon as possible with water and soap.	
-Eye contact		In case of contact with eyes, flush immediately with plenty of water, holding the eyes open, for at least 15 minutes.	
-Ingestion		Do not induce vomiting. Seek medical advice immediately.	
-Aspiration into lungs		If aspiration into the lung is suspected (caused e.g. by vomiting), seek medical advice urgently	

<p><b>5. Fire – fighting measures</b></p> <p>Extinguishing media</p> <ul style="list-style-type: none"> <li>-Suitable</li> <li>-Not to be used</li> </ul> <p>Protective equipment for firefighters</p>	<p>Carbon dioxide, dry chemicals, foam</p> <p>Water</p> <p>No smoking.</p> <p>Avoid proximity or contact with flames or sparks.</p>
<p><b>6. Accidental release measures</b></p> <p>See also chapters 8 and 13</p> <p style="text-align: right;">After</p> <p>spillage/leakage</p> <ul style="list-style-type: none"> <li>-On soil</li> <li>-On water</li> </ul>	<p>Cleaning with suitable dispersant.</p> <p>Dispose safely in accordance with local or national regulations.</p> <p>Use floating absorbent material to be removed mechanically.</p>
<p><b>7. Handling and storage</b></p> <p>Technical protective measures</p> <p>Handling</p> <p>Storage</p> <p>See also chapter 8</p>	<p>Avoid producing or diffusing oil mist into the air.</p> <p>Use only containers, joints, pipes, etc...made in a material suitable for use with hydrocarbons.</p> <p>Keep away from all sources of ignition.</p>
<p><b>8. Exposure controls and personal protection</b></p> <p>Personal protection</p> <ul style="list-style-type: none"> <li>-Skin protection</li> <li>-Eye protection</li> <li>-Other personal protection</li> </ul> <p>Industrial hygiene</p>	<p>Gloves</p> <p>Goggles/spectacles</p> <p>Where exposure is likely, protective clothing must be worn including gloves.</p> <p>Do not store near food products.</p> <p>Do not wipe hands with cloths or rags which have been used for cleaning.</p> <p>Remove all contaminated clothing and remove protective clothing when the work is completed.</p>

<p><b>9. Physical and chemical properties</b></p> <p>Physical state at 20 °C</p> <p>Color</p> <p>Vapour density</p> <p>Boiling point ( °C)</p> <p>Flash point(ASTM D 92) ( °C)      Auto-ignition temperature ( °C)</p> <p>Explosion limits (% vol)</p> <p>Density, mass at 20 °C (kg/m<sup>3</sup>)      Behaviour with water at 20 °C      Viscosity at 40 °C (mm<sup>2</sup>/s)</p> <p>Viscosity at 100 °C (mm<sup>2</sup>/s)</p>	<p>Semi-soild</p> <p>Light yellow</p> <p>&gt; 250</p> <p>890 kg/m<sup>3</sup></p>
<p><b>10. Stability and reactivity</b></p> <p>Stability</p> <p>Combustion and oxidation products</p>	<p>Stable under normal operating conditions.</p> <p>Complete combustion, with an excess of oxygen forms; carbon dioxide and water vapour.</p> <p>Partial combustion, forms also; carbon monoxide, soot and cracked products.</p>
<p><b>11. Toxicological Information</b></p> <p>Symptoms radiated to use</p> <p>-Inhalation</p> <p>-Skin contact</p> <p>-Ingestion</p> <p>Carcinogenic</p> <p>Other</p>	<p>Vapour or aerosols may cause irritation of the respiratory tract.</p> <p>Prolonged contacts may cause skin irritation especially cuts, scratches or abrasions or if contact with contaminated clothes.</p> <p>Elementary hygienic precautions will avoid these risks.</p> <p>Accidental ingestion may be followed by aspiration (due to the low viscosity of the product) in the respiratory tract and cause chemical pneumonitis.</p> <p>This product is made with severly refined mineral oils and others additives not regarded as carcinogenic.</p> <p>The mineral oil and other components of this product may be considered not to be essentially taxio in normal handing.</p>

<p><b>12. Ecological information</b></p> <p>Information on ecological effects</p> <p>Mobility</p> <ul style="list-style-type: none"> <li>-Air</li> <li>-Soil</li> <li>-Water</li> </ul> <p>Persistence and degradability</p> <p>Biodegradation</p> <p>Bio accumulative potential</p> <p>Ecotoxicity</p>	<p>Avoid losses to the environment whenever possible.</p> <p>There is a slow loss by evaporation.</p> <p>Because of its physicochemical properties, the product generally has a low soil mobility.</p> <p>The product spreads out on the surface of the water, a small fraction of the constituents may be dissolved.</p> <p>Not readily biodegradable.</p> <p>In the food chain important to humans, bioaccumulation takes place.</p> <p>No information available.</p>
<p><b>13. Disposal considerations</b></p> <p>Disposal</p>	<p>According to local regulations.</p> <p>Authorized disposal.</p> <p>Do not dispose of by means of sinks, drains or to the immediate environment.</p>
<p><b>14. Transportation Information</b></p> <p>Other</p>	<p>Not restricted for transport.</p>
<p><b>15. Regulatory Information</b></p>	
<p><b>16. Other Information</b></p> <p>Further information</p>	<p>No information available.</p>