

# WHITMORE'S

## MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY					
<b>Product Name:</b>	<b>BioRail® 00</b>	<b>Manufacturer/Supplier:</b>			
	<b>Biodegradable Lithium Rail Curve Grease</b>	The Whitmore Manufacturing Company		930 Whitmore Drive	
<b>Chemical Family:</b>	Vegetable Oil-Based Grease	Rockwall, Texas 75087, U.S.A.			
<b>Use:</b>	Rail & Curve Lubricant				
<b>Emergency Tel. No.:</b>	CHEMTREC	U.S.A. & Canada	800-424-9300 (24 hrs)		
		International	703-527-3887 (Collect - 24 hr)		
		Australia	00-111-703-527-3887 (Collect - 24 hr)		
II. COMPOSITION INFORMATION ON INGREDIENTS					
<u>Hazardous Components</u>	<u>CAS No.</u>	<u>Wt%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits of Exposure</u>
None					
III. ADVERSE HUMAN HEALTH EFFECTS					
<b>Eyes:</b>	Any eye contact will cause irritation.				
<b>Skin:</b>	Prolonged skin contact may cause irritation.				
<b>Inhalation:</b>	Breathing fumes in confined areas at elevated temperatures may cause lung irritation.				
<b>Ingestion:</b>	Harmful if swallowed.				
IV. FIRST AID MEASURES					
<b>Eyes:</b>	Flush with large amounts of cold water. If irritation persists, SEEK MEDICAL ATTENTION.				
<b>Skin:</b>	Thoroughly wash exposed area with soap and water.				
<b>Inhalation:</b>	Provide fresh air source. If irritation persists, SEEK MEDICAL ATTENTION.				
<b>Ingestion:</b>	Do not induce vomiting. SEEK MEDICAL ATTENTION.				
V. FIRE FIGHTING MEASURES					
<b>Extinguishing Media:</b>	Foam, CO <sub>2</sub> , Dry Chemical				
<b>Unsuitable Extinguishing Media:</b>	Not Known				
<b>Fire Fighting Protective Equipment:</b>	Treat as an oil fire.				
VI. ACCIDENTAL RELEASE MEASURES					
<b>Personal Precautions:</b>	Wear plastic or neoprene rubber gloves.				
<b>Environmental Precautions:</b>	Do not allow it to enter drains.				
<b>Spillage:</b>	Absorb with dry inert material and shovel up.				
VII. HANDLING AND STORAGE					
<b>Handling:</b>	Keep away from open flame and sparks.				
<b>Storage:</b>	Store in metal containers until disposal.				
VIII. EXPOSURE CONTROL/PERSONAL PROTECTION					
<b>Respiratory Protection:</b>	If product is overheated, use organic NIOSH/MSHA filter-type respirator.				
<b>Hand Protection:</b>	Plastic or Neoprene Rubber				
<b>Eye Protection:</b>	Safety Goggles.				
<b>Body Protection:</b>	None				

### HMS SYMBOLS

Health	1
Flammability	1
Reactivity	0
PPI	B

MSDS-520

Effective Date: 12-7-07

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IX. PHYSICAL AND CHEMICAL PROPERTIES			
<b>Physical State:</b>	Tacky Grease	<b>Color:</b>	Dark Gray
<b>Boiling Range/point, °F (°C):</b>	N/A	<b>Melting Point, °F (°C):</b>	>370 (>188)
<b>Flash Point (COC), °F (°C):</b>	[>500 (>260) (Base Oils)]	<b>Autoignition Temperature, °F (°C):</b>	Not Known
<b>Explosive Properties:</b>	<b>LEL:</b> N/A	<b>UEL:</b> N/A	<b>Evaporation Rate (Butyl Acetate):</b> N/A
<b>Partition Coefficient (Log Pow):</b>	N/A		
<b>Density:</b>	7.60 - 7.75	<b>Flammability:</b>	No Flammability Hazard
<b>Oxidizing Properties:</b>	Nil	<b>Solubilities in Water:</b>	Nil
<b>Vapor Density:</b>	N/A	<b>% Volatiles:</b>	N/A
X. STABILITY AND REACTIVITY			
<b>Stability:</b>	Chemically stable under normal conditions.		
<b>Conditions to Avoid:</b>	Direct flame.		
<b>Materials to Avoid:</b>	Strong inorganic and organic acids and oxidizing agents.		
<b>Decomposition Products:</b>	Oxides of carbon, sulfur, phosphorus, & hydrocarbon.		
XI. TOXICOLOGICAL INFORMATION			
<b>Acute Toxicity:</b>	Not Known	<b>Skin Irritancy:</b>	Very Mild
<b>Chronic Toxicity:</b>	Not Known	<b>Skin Sensitization:</b>	Not Known
<b>Sub-acute/Subchronic Toxicity:</b>	Not Known	<b>Genotoxicity:</b>	Not Known
<b>California Prop 65:</b>	No Components Listed	<b>EC Classification (67/548/EEC):</b>	No
<b>Carcinogenicity:</b>	<b>NTP:</b> No	<b>IARC:</b> No	<b>OSHA:</b> No
<b>LC-50:</b>	Not Available	<b>LD-50:</b>	Not Available
XII. ECOLOGICAL INFORMATION			
<b>Possible Effects:</b>	Unknown		
<b>Behavior:</b>	Relatively well behaved. Bioaccumulation potential nil.		
<b>Environmental Fate:</b>	Not thought to be toxic to marine or land organisms.		
XIII. WASTE DISPOSAL			
<b>Product Disposal:</b>	Observe all local, state & federal regulations concerning disposal of lubricating grease.		
<b>Container Disposal:</b>	Observe all local, state & federal regulations concerning disposal of lubricating grease.		
XIV. TRANSPORT INFORMATION			
<b>DOT:</b>	Not Regulated	<b>UN No.:</b>	Not Regulated
<b>Air Transport (ICAO/IATA):</b>	Not Regulated		
<b>Sea Transport (IMO/IMDG):</b>	Not Regulated		
<b>Road and Rail Transport (ADR/RID):</b>	Not Regulated		
XV. REGULATORY INFORMATION			
<b>Labeling Information:</b>	N/A	<b>EC Annex 1 Classification:</b>	N/A
<b>R Phrases:</b>	N/A		
<b>S Phrases:</b>	S2 Keep away from children.		
<b>Ozone Depleting Chemicals:</b>	None/Nil	<b>TSCA:</b>	All Components are listed.
<b>WHMIS (Canada):</b>	Not Regulated		
<b>EPA Regulation 40 CFR Part 372 (SARA Section 313):</b>	None		
XVI. OTHER INFORMATION			
None			