

WHITMORE'S

MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY			
Product Name:	Railmaster® LF <i>(All Grades)</i>	Manufacturer/Supplier:	The Whitmore Manufacturing Company 930 Whitmore Drive Rockwall, Texas 75087, U.S.A.
Chemical Family:	Petroleum Hydrocarbon		
Use:	Rail Lubricant NLGI 2		
Emergency Tel. No.:	CHEMTREC U.S.A. & Canada International Australia	800-424-9300 (24 hrs) 703-527-3887 (Collect - 24 hr) 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	
Eyes:	Any eye contact will cause irritation.
Skin:	Prolonged skin contact will cause irritation.
Inhalation:	Breathing fumes in confined areas at elevated temperatures will cause lung irritation.
Ingestion:	Harmful if swallowed.

IV. FIRST AID MEASURES	
Eyes:	Flush with large amounts of cold water. If irritation persists, SEEK MEDICAL ATTENTION.
Skin:	Thoroughly wash exposed area with soap and water.
Inhalation:	Provide fresh air source. If irritation persists, SEEK MEDICAL ATTENTION.
Ingestion:	Do not induce vomiting. SEEK MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES	
Extinguishing Media:	Foam, CO ₂ , Dry Chemical
Unsuitable Extinguishing Media:	Not Known
Fire Fighting Protective Equipment:	Treat as an oil fire.

VI. ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Wear plastic or neoprene rubber gloves.
Environmental Precautions:	Do not allow it to enter drains.
Spillage:	Absorb with dry inert material and shovel up.

VII. HANDLING AND STORAGE	
Handling:	Keep away from open flame and sparks.
Storage:	Store in metal containers until disposal.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION	
Respiratory Protection:	If product is overheated, use organic NIOSH/MSHA filter-type respirator.
Hand Protection:	Plastic or Neoprene Rubber
Eye Protection:	Safety Goggles.
Body Protection:	None

HMS SYMBOLS

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	1
Reactivity	0
PPI	B

MSDS-344

Effective Date: 1-22-02

Revised Date: 9-30-09

IX. PHYSICAL AND CHEMICAL PROPERTIES							
Physical State:	Tacky Grease	Color:	Dark Gray	Odor:	Petroleum		
Boiling Range/point, °F (°C):	N/A	Melting Point, °F (°C):	>380 (>193)				
Flash Point (COC), °F (°C):	[>400 (>204) (Base Oils)]	Autoignition Temperature, °F (°C):	Not Known				
Explosive Properties:	LEL: N/A UEL: N/A	Evaporation Rate (Butyl Acetate):	N/A				
Partition Coefficient (Log Pow):	N/A	Vapor Pressure (kPa):	Nil				
Density:	7.60 - 7.75	Flammability:	Not Known				
Oxidizing Properties:	Nil	Solubilities in Water:	Nil	Vapor Density:	N/A	% Volatiles:	N/A

X. STABILITY AND REACTIVITY	
Stability:	Chemically stable under normal conditions.
Conditions to Avoid:	Direct flame.
Materials to Avoid:	Strong inorganic and organic acids and oxidizing agents.
Decomposition Products:	Oxides of carbon, sulfur, phosphorus, & hydrocarbon.

XI. TOXICOLOGICAL INFORMATION					
Acute Toxicity:	Not Known	Skin Irritancy:	Very Mild		
Chronic Toxicity:	Not Known	Skin Sensitization:	Not Known		
Sub-acute/Subchronic Toxicity:	Not Known	Genotoxicity:	Not Known		
California Prop 65:	Not Available	EC Classification (67/548/EEC):	No		
Carcinogenicity:	NTP: No	IARC:	No	OSHA:	No
LC-50:	Not Available	LD-50:	Not Available		

XII. ECOLOGICAL INFORMATION	
Possible Effects:	Unknown
Behavior:	Relatively well behaved. Bioaccumulation potential nil.
Environmental Fate:	Not thought to be toxic to marine or land organisms.

XIII. WASTE DISPOSAL	
Product Disposal:	Observe all local, state & federal regulations concerning disposal of lubricating grease.
Container Disposal:	Observe all local, state & federal regulations concerning disposal of lubricating grease.

XIV. TRANSPORT INFORMATION			
DOT:	Not Regulated	UN No.:	Not Regulated
Air Transport (ICAO/IATA):	Not Regulated		
Sea Transport (IMO/IMDG):	Not Regulated		
Road and Rail Transport (ADR/RID):	Not Regulated		

XV. REGULATORY INFORMATION			
Labeling Information:	N/A	EC Annex 1 Classification:	N/A
R Phrases:	N/A		
S Phrases:	S2 Keep away from children.		
Ozone Depleting Chemicals:	None/Nil	TSCA:	All Components are listed.
WHMIS (Canada):	Not Regulated		
EPA Regulation 40 CFR Part 372 (SARA Section 313):	None		

XVI. OTHER INFORMATION	
None	