

# WHITMORE'S

## MATERIAL SAFETY DATA SHEET

| I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY |   |                               |   |
|---|---|-------------------------------|---|
| <b>Product Name:</b>                                  | <b>Railmaster® LFG</b><br><i>(All Grades)</i> | <b>Manufacturer/Supplier:</b> | The Whitmore Manufacturing Company<br>930 Whitmore Drive<br>Rockwall, Texas 75087, U.S.A. |
| <b>Chemical Family:</b>                               | Petroleum Hydrocarbon                         |                               |   |
| <b>Use:</b>   | Rail 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 will cause irritation.  |
| <b>Inhalation:</b>                | Breathing fumes in confined areas at elevated temperatures will 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

|            |   |
|------------|---|
|            | 1 |
|            | 1 |
| Reactivity | 0 |
| PPI        | B |

MSDS-430

Effective Date: 6-8-04

Revised Date: 9-30-09

| 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>            | >380 (>193)                                  |
| <b>Flash Point (COC), °F (°C):</b>      | [>400 (>204)<br>(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>Vapor Pressure (kPa):</b>              | Nil  |
| <b>Density:</b>                         | 7.60 - 7.75                  | <b>Flammability:</b>                      | Not Known                                    |
| <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>            | Not Available  | <b>EC Classification (67/548/EEC):</b> | No            |
| <b>Carcinogenicity:</b>               | <b>NTP:</b> No | <b>IARC:</b>                           | No            |
| <b>LC-50:</b>                         | Not Available  | <b>OSHA:</b>                           | No            |
|                                       |                | <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                   |  |