

## TRACKMATE® RAIL CURVE LUBRICANT

Trackmate® is a lubricant designed to reduce friction and wear on rail tracks, particularly on curves. It is thickened using lithium soap.

Trackmate® is formulated using anti-wear chemistry in combination with solid lubricants. The solid lubricants used in Trackmate® have been selected to be compatible with automated railroad lubrication systems.

Trackmate® is resistant to water wash off and provides good adhesion.

### BENEFITS:

- TCLP-SAFE - which reduces disposal cost. Passes EPA TOXICITY CHARACTERISTIC LEACHING PROCEDURE.
- REDUCES FRICTION AND WEAR - extends wheel/rail life and reduces energy cost.
- EASY TO APPLY - compatible with automated railroad lubrication systems.

### APPLICATIONS:

Trackmate® can be used in hi-rail, wayside and onboard lubrication systems. Trackmate® is available in pails, kegs, drums, and totes.

Trackmate® is also available through a custom-tailored bulk lubricant system and service program, Maintainer®. This program is designed to fit your operation and structured to provide a complete lubricant management program that meets your needs.

ASTM #		TYPICAL CHARACTERISTICS					
		EP 0 LT	EP 1 LT	EP 0	EP 1	EP 1.5	EP 2
D-217	Cone Penetration (Worked)	355-385	320-350	355-385	305-335	285-315	270-300
D-2265	Dropping Point, °F (°C)	338 (170)	380 (193)	365 (185)	380 (193)	380 (193)	380 (193)
D-445	Kinematic Viscosity (Base Oil w/Polymer) cSt @ 40°C cSt @ 100°C	26.9	27.4	56.5	245.0	245.0	183.0
		4.2	4.3	6.2	19.6	19.6	12.9
D-2161	Saybolt Viscosity (Base Oil w/ Polymer) SUS @ 100°F SUS @ 210°F	140.7	143.1	296.8	1413	1413	1413
		40.4	40.8	47.2	99	99	99
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	8.45	8.40	8.45	8.27	8.28	8.29
	Specific Gravity, g/cc @ 60°F (15.5°C)	1.104	1.100	1.104	0.993	0.994	0.995
D-2596	Four Ball EP Weld Point, kg	500	400	500	400	400	400
D-2266	Four Ball Wear Scar Width, mm	0.67	0.67	0.67	0.60	0.60	0.60
D-4049 (Modified)	Water Spray-Off, % Loss	NA	NA	N/A	12	8	4
D-1743	Rust Test	Pass	Pass	Pass	Pass	Pass	Pass
D-4048 (Modified)	Copper Strip Corrosion for Greases 212°F (100°C) @ 3 hrs	2B	2B	2B	1B	1B	1B
	Ambient Usable Temperature Range, Wayside °F °C	-45 to 30	-30 to 50	-35 to 50	-20 to 50	-5 to 105	40 to 130
		-43 to -1	-34 to 10	-37 to 10	-29 to 10	-21 to 41	4 to 54
	Thickener Type	Lithium	Lithium	Lithium	Lithium	Lithium	Lithium

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

### PACKAGING

Shuttle Tanks	Nonreturnable Totes	Drums	Kegs	Pails
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Distributed By:



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LIMITED WARRANTY: The Whitmore Manufacturing Company makes the Limited Express Warranty that at the date of delivery, its goods shall be free from defects in Whitmore's materials and workmanship and shall meet the express written statements of quality, if any, made by Whitmore in connection with the sale of the goods. Other than such Limited Express Warranty, there are no express warranties made with respect to the sale of goods and all implied warranties existing under the law are expressly disclaimed and negated, particularly, Whitmore NEGATES AND DISCLAIMS THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. All other liability, either in contract or tort, including without limitation, strict liability found in Section 402A of the Restatement of Torts or otherwise, is negated and disclaimed. The sole remedy for Whitmore's breach of such Limited Express Warranty shall be a refund of the purchase price of its goods, and Whitmore shall have no responsibility for incidental or consequential damages sustained as a result of the use of the goods, whether sustained to the goods themselves or to other property. Data listed are subject to usual manufacturing variations.



MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY
Product Name: Trackmate (All Grades)
Chemical Family: Petroleum Hydrocarbon
Use: Lubricating Grease
Manufacturer/Supplier: The Whitmore Manufacturing Company
930 Whitmore Drive
Rockwall, Texas 75087, U.S.A.
Emergency Tel. No.: 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
Hazardous Components CAS No. Wt% OSHA PEL ACGIH TLV Other Limits of Exposure
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, CO2, 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

Health 1
Flammability 1
Reactivity 0
PPI B

MSDS-244
Effective Date: 2-15-99
Revised Date: 8-22-12

IX. PHYSICAL AND CHEMICAL PROPERTIES
Physical State: Grease Color: Black Odor: Petroleum
Boiling Range/point, °F (°C): N/A Melting Point, °F (°C): 350 (>177)
Flash Point (COC), °F (°C): [>350 (>177) (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): N/A
Density: <1 Flammability: Not Known
Oxidizing Properties: Nil Solubilities in Water: Nil Vapor Density: N/A % Volatiles: Nil
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, antimony, 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): R20/22
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: R20/22
R Phrases: R20/22 Harmful by inhalation and if swallowed.
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): See Section II.
XVI. OTHER INFORMATION
None

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