

TempFlex™ 0 to 100 w/ MoS₂ Biodegradable Rail Curve Lubricant

DESCRIPTION	TempFlex™ 0 to 100 w/ MoS ₂ is a premium quality biodegradable, Biotechbased™ Rail Curve Lubricant formulated from USA-grown vegetable oils and a lithium-based thickener.	
APPLICATIONS	<ul style="list-style-type: none">■ Designed for wayside applicators with wide temperature requirements■ Ideal for prolonged cold temperatures or hi-rail application■ Pumps and carries when using wayside application equipment and grease temperature is between 0°F and 100°F■ Recommended for heavy load applications such as coal trains■ Recommended for environmentally sensitive areas near waterways	
BENEFITS	<ul style="list-style-type: none">■ Contains advanced extreme pressure additives and molybdenum disulfide to enhance the effects for unsurpassed protection from wear■ Reduces friction and wear between track and wheel flange.■ Formulated to resist port plugging in wiping bars■ Longer carry down and increased retention■ Better gauge face coefficient of friction than most petroleum-based grease■ Less migration to top of rail than major petroleum-based grease■ Improves fuel efficiency and superior lubricity■ Higher flash point than petroleum greases for increased safety■ Biodegradable formula reduces damage to the environment■ Meets EPA's Environmental Preferable Purchasing (EPP) criteria■ Meets USDA's proposed Biobased product definition for EO 13101■ Manufactured from renewable USA-grown crop-based oils	
PERFORMANCE LEVELS	<ul style="list-style-type: none">■ Recommended for all Portec® and other brand lubricators	
TYPICAL PROPERTIES	Appearance	Dark Gray to Black
	Cone Penetration, Unworked	310-340
	Four Ball Wear Scar (mm)	0.4
	Four Ball Weld Load (kg)	500
	Dropping Point °C (°F)	191 (376)
	Base Oil Viscosity at 40°C (cSt)	86
	Base Oil Viscosity at 100°C (cSt)	16
	Base Oil Viscosity Index	201
	Base Oil Flash Point, °C (°F)	326 (619)
	Base Oil Biodegradability	Pass
	Base Oil Aquatic Toxicity	Non-toxic
PACKAGING	35 lb Pails 400 lb Drums Totes and Bulk	

DATA PROVIDED IN THIS BULLETIN IS TO BE CONSIDERED AS REPRESENTATIVE OF CURRENT PRODUCTION GENERALLY AND NOT AS SPECIFICATIONS. WHILE ALL THE DATA PRESENTED IN THIS BULLETIN IS BELIEVED TO BE RELIABLE, AND BECAUSE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ELM MAKES NO REPRESENTATIONS, GUARANTEES OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, OR AS TO THE CORRECTNESS OR SUFFICIENCY OF DATA HEREIN PRESENTED. EACH USER SHOULD CONDUCT A SUFFICIENT INVESTIGATION TO ESTABLISH THE FITNESS OF ANY PRODUCT FOR ITS INTENDED PURPOSE. NO AGENT, REPRESENTATIVE, OR EMPLOYEE OF THIS COMPANY IS AUTHORIZED TO VARY ANY OF THE TERMS OF THIS NOTICE. TO CONTINUE TO PROVIDE SUPERIOR QUALITY, ELM RESERVES THE RIGHT TO CHANGE THE COMPOSITION OF ITS PRODUCTS WITHOUT NOTICE.

TempFlex™, Biotechbased™ and the ELM logo are trademarks of Environmental Lubricants Manufacturing, Inc.