

UNIVERSAL SWITCH LUBRICANT

BIOBASED RAILROAD LUBRICANTS



| | | |
|---------------------------|--|-----------|
| DESCRIPTION | ECORail™'s UNIVERSAL SWITCH LUBRICANT is a biodegradable, non-toxic and water-resistant lubricant. ECORail™'s UNIVERSAL SWITCH LUBRICANT is formulated with natural seed oils and proprietary additives to protect railway switches from wear and to prevent rust and corrosion, while not impacting the environment. | |
| BIOBASED | Biobased, biodegradable, not-bioaccumulative, non-aquatic toxic, and not toxic to plants: Based on evaluation of the base oils and the finished products, the ECORail™ biobased products are designed to be biodegradable, aquatically non-toxic, not- bioaccumulative, and with no impact on plants as determined by known test methods. Nevertheless, the use of all ECORail™'s products are subject to local ordinances, and ultimate responsibility for impact remains with the users. | |
| APPLICATIONS | <ul style="list-style-type: none">■ Railroad switches and switch machines■ Can be poured, brushed, wiped or sprayed on with mechanical sprayers■ Also available is a FRIGID CLIMATE SWITCH LUBRICANT for applications in more frigid and northern climates when temperatures remain below -18°C (0°F) for extended periods of time. | |
| BENEFITS | <ul style="list-style-type: none">■ Biodegradable and virtually non-toxic■ Eliminates caustic and toxic chemicals■ Less flammable than petroleum-based lubricants■ Resists washout from rain or ice melting■ Good penetration into switch■ Resists build-up of dust and dirt■ Conforms to EPA's EPP and USDA biobased criteria■ Made from renewable USA-grown crop-based oils | |
| DIRECTIONS | ECORail™'s UNIVERSAL SWITCH LUBRICANT is designed to be wiped, poured, brushed on or used in a mechanical sprayer. | |
| TYPICAL PROPERTIES | Viscosity at 40°C (cSt) | 50 |
| | Viscosity Index | 196 |
| | Flash Point, °C (°F) | 260 (500) |
| | Pour Point, °C (°F) | -23 (-10) |
| | Base Oil Biodegradability | Pass |
| | Base Oil Aquatic Toxicity | Non toxic |
| PACKAGING | Bulk 275 Gallon Totes 55 Gallon Drums 5 Gallon Pails | |

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, RAILMARK TRACK WORKS INC RESERVES THE RIGHT TO CHANGE THE COMPOSITION OF ITS PRODUCTS WITHOUT NOTICE.

The ECORail logo is a trademark of Railmark Track Works Inc.