



TECHNICAL DATA SHEET

EZ SWITCH[®] SWITCH PLATE LUBRICANT

Whitmore's EZ Switch[®] has distinguished itself as a switch plate lubricant that works. It is easy to apply; it forms a protective coating on the switch plate, resists rain, and stops wear.

After it is applied, EZ Switch[®] begins to dry on the switch. Operating the switch causes the lubricant to "plate out". As the switch operates, the coating becomes denser in the contact area. This enhances wear protection.

HOW TO APPLY:

Whitmore's EZ Switch[®] can be used on all types of railroad switches, both manual and electric. It can be applied by pouring, brushing, or spraying. Completely cover the switch with the thinnest layer possible.

RAIN:

EZ Switch[®] can be applied to wet switches, and it won't wash off in the rain. As EZ Switch[®] dries, it becomes even more resistant to rain.

FREQUENCY OF LUBRICATION:

With EZ Switch[®], a switch that operates twice as often does not need lubrication twice as often. Because of varying climates and operating conditions, it is impossible to give a hard-and-fast lubrication frequency.

- A good place to start is to lubricate all switches and revisit them after a week.
- Those that operate often or are subject to difficult conditions may need relubrication after one week.
- In extreme cases, more than once a week may be needed.
- In most cases, switches that are used less often will require lubrication cycles that are longer than a week.
- Most operators consider once a month as the longest interval for infrequently used switches.

BENEFITS:

- REDUCES FRICTION AND WEAR - low coefficient of friction facilitates ease of switch operation. This minimizes effort and risk of injury on manual switches.
- LONG LASTING PROTECTION - less frequent reapplication saves time and lowers consumption.
- OPERATING RANGE - can be used at temperatures as low as -60°F (-51°C). One grade is suitable for year-round use.
- EASY TO APPLY - it can be poured, brushed, or sprayed.
- RESISTS CONTAMINANTS – does not attract dirt.

PACKAGING:

It is available in pails, kegs, drums, totes, or through a custom-tailored bulk lubricant system that can be designed to fit your requirements and meet your switchyard operational needs.

Product tends to separate. If possible, store container upside-down. Shake or stir before use. For larger containers a compressed air line can be inserted to create agitation.

APPLICATIONS:

EZ Switch[®] is formulated primarily for use on railroad switch plates (railway slide chairs). It can also be used on wire ropes. Because it is high in graphite, it is suitable for use in high temperature applications (>600°F, or >315°C) where the fluid components will evaporate or burn off and leave a dry graphite lubricant.

ASTM #		TYPICAL CHARACTERISTICS
D-2983	NLGI Grade	Lighter than 000
	Viscosity (Brookfield Viscometer)	
	Spindle HA-2 @ 5 rpm @ 77°F (25°C), cps	2,080
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	8.09
D-92	Specific Gravity, g/cc @ 60°F (15.5°C)	1.091
D-97	Flash Point, °F (°C), Cleveland Open Cup (Base Oils)	311 (155)
D-1743	Pour Point, °F (°C)	5 (-15)
OEM Standard	Rust Test, Distilled Water	Pass
	Low Temperature Pumpability	
	Lincoln Ventmeter @ 400 psi, °F (°C)	-60 (-51)
	Conventional Commercial Pump-Up Sprayer, °F (°C)	40 (4)
	Appearance	Dark Gray Fluid

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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