

# Technical Data Sheet

## SLIP Plate® OEM-8

Fast Drying, Graphite Dry Film Lubricant  
for Railroad Switches

### Product Description:

SLIP Plate® #OEM-8 is a premium dry film graphite lubricant that solves friction problems common to railroad switch plates. This material when applied by brush, roller or spray to forms a superior bond to the surface of the metal. When dry, this material turns into a hard and durable graphite coating that will resist corrosion and repel weather elements like rain and snow. With proper use, this slick and tough formula can extend mechanical life, reduce maintenance costs, and improve productivity.



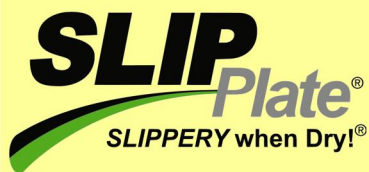
### Product Characteristics:

Physical Properties	Typical Range
Carrier:	Proprietary Blend Low Volatile Solvents
Color:	Grey
Fluid Consistency	Thin
Measured Viscosity; cps	> 500
Bulk Density, LB/Gallon	8.5-9.5
Flash Point,	>105°F (>40.6°C)
Dry Time (tack-free), min	15-30 @ 70°F (21.1°C)
Dry Time (complete), hrs	3-4 @ 70°F (21.1°C)
Average Application Coverage, ft <sup>2</sup> /gallon	300
Effective Temperature Range, (Minimum)	-75°F (-59.4°C)
Effective Temperature Range, (Maximum)	450°F (232.2°C)
Suggested Application Ambient Temperature Range	40 - 140°F (4.4 . 60.0°C)
Suggested Dilution Ratio	Not Recommended
Suggested Dilutant/Cleaner:	VM&P Naptha
Shelf Life under original seal	24 Months

### Advantages:

- High concentration of graphite creates a slick surface to reduce mechanical wear at any ambient temperature extreme.
- Dry film technology creates a smooth, even surface that stays *SLIPPERY* when DRY!i
- Creates a non-stick surface that will not attract or trap dirt or grit and further reducing wear and extending operating life
- Hydrophobic . Graphite coating is not attracted to rain and snow
- Graphite is a natural mineral and environmentally safe lubricant

Information provided on this Technical Data Sheet is supplied to indicate the physical and chemical properties of the material. This information is believed to be correct. However, no warranty is made, either expressed or implied regarding the accuracy of the results obtained from the use of this product. Customers are strongly encouraged to test the materials independently prior to application/purchase.



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### Preparation & Application:

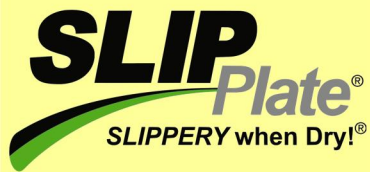
- **Stir material prior to use.** It is important to properly stir the material with a hand stir stick or paint mixer. It is normal for the material to settle during transportation, and it may take some time to mix by hand. Paint mixers that are attached to a standard drill will speed up this process.
- **Prepare your surface.** The most important part of the coating process is proper surface preparation. Remove any loose debris, mud, paint, rust or grit with a high pressure water cleaner, scraper, or wire brush. Use a solvent such as an aerosol brake cleaner to remove any residual petroleum or grease from previous application.
- **Apply by brush, roller, dipping, or airless spray equipment.** Apply material as you would for any normal paint job. Material, when applied by brush, should have a film thickness of 5 to 7 mil. When applied by airless spray equipment, the film thickness should be 4 to 7 mil. When applied by roller, the film thickness will be 3 to 6 mil.
- **Allow coated surface to dry a minimum of 8 hours between coats in a well-ventilated area.** For extreme wear applications, apply two coats, but it is recommended that the first coating is allowed to dry at least 8 hours. Allow additional time for high humidity and low temperature conditions.
- Surface temperature should be about 50-100°F (10-37.8°C) at application. **Application of this product to very hot (>300°F) or cold surfaces (<20°F) is not recommended, as this will affect the bonding performance of the product. Once dry, the dry film coating will not be affected by temperature extremes.**

### Clean-Up Instructions:

- **Clean up material with soap and water or as you would with typical house-type paint.** Material, once dry, will be very difficult to remove from painting equipment. If removal is required after coating has dried, use of paint thinner, VM&P Naphtha, or similar solvent-based cleaner is advised. Note that these chemicals may damage underlying painted surfaces.

### Storage and Handling Information:

- **DO NOT FREEZE.** Product must be stored above 32°F.
- Store away from excessive heat and keep in original packaging.
- Material is black, or silver-gray in some instances, and these color variations are normal. Keep away from light colored clothing.
- Graphite is electrically conductive and may lead to electrical shorts and damage. Please be careful working with this product around electricity or sensitive electrical equipment.



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Please consult the SDS for additional information on disposal of unused materials, and safe handling practices.

ORDERING/SHIPPING INFORMATION		
AVAILABLE PACKAGING (product ordering code)	Four-1 Gallon Cans:	Part #33815
	Five (5) Gallon Pail:	Part #33808
CASE SHIPPING WEIGHT (kilograms)	Four-1 Gallon Cans:	41 LB (18.6)
	Five (5) Gallon Pail:	48 LB (21.8)