



Technical Data Sheet

SLIP Plate® Penetrant Plus

Penetrating Oil Enhanced with Graphite

Product Description:

SLIP Plate® Penetrant Plus is a 2-in-1 special formulation of penetrating oil and graphite. The penetrating oil breaks through corrosion/debris to transport fine graphite particles for a longer lasting lubrication. Unlike traditional petroleum based lubricants, which lubricate only the outermost surfaces and evaporate over time, this product provides a complete system approach as it reduces wear on the sprockets and gears. As Penetrant Plus contains both liquid and dry components, there is no need to worry about cold or hot temperatures. The graphite will remain viable long after other oil and grease only lubricants would have failed.



Product Characteristics:

Physical Properties	Typical Range
Carrier:	Premium Chain Oil
Color:	Dark Grey, Black
Fluid Consistency	Very Thin
Measured Viscosity; cps	< 500
Flash Point	N/A
Average Application Coverage, ft ² /can	Varies
Effective Temperature Range, (Minimum)	32°F (0°C)
Effective Temperature Range, (Maximum)	200°F (93.3°C)
Suggested Application Ambient Temperature Range	50 - 100°F (10 - 37.8°C)
Shelf Life under original seal	Unlimited under Original Seal

Advantages:

- When properly applied, continues to lubricate even after the carrier has evaporated, reducing mechanical wear and extending operating life
- Not as affected by temperature extremes as other chain lubricants
- Graphite is a natural, environmentally safe mineral lubricant

Preparation & Application:

- **Thoroughly mix and agitate can prior to use.** It is important the can be properly agitated for 1-2 minutes with the mixing balls inside rattling. This makes sure the proper coating is produced when sprayed.
- **Prepare your surface.** The most important part of the coating process is proper surface preparation. Remove any loose debris, mud, loose paint, rust or grit by high pressure water cleaning and/or use of a grinding or wire brush. If there are any residual petroleum or grease lubricants from previous applications, remove with a solvent, such as an aerosol brake cleaner.
- **Apply in a well-ventilated area, away from flames, sparks.** Apply material as you would any typical spray paint application. Apply with even strokes, not allowing the product to build up. It is important to have a well-ventilated area when spraying, away from open flames, sparks and other sources of ignition.
- **Do not overspray.** Excessive application of the material on cables and chains may cause the product to run and drip on other surfaces. Apply only as much as needed.
- **Surface temperature should be 32-100°F (0-37.8°C).** Application of this product to very hot (>200°F) or cold surfaces (<20°F) is not recommended as this will affect the bonding performance of the product.

Clean-Up Instructions:

- **Clean up material with paint thinner, VM&P Naphtha, or any other solvent.** If removal is required after coating has been applied, use of paint thinner, VM&P Naphtha, or similar solvent-based cleaner is advised. Note these chemicals may damage underlying painted surfaces.

Storage and Handling Information:

- **DO NOT FREEZE.** Product must be stored above 32°F. Product will not spray at low temperatures.
- 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.

Consult SDS for information on disposal of unused materials, and safe handling practices.



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ORDERING/SHIPPING INFORMATION	
WHOLESALE PACKAGING (product ordering code)	Case 6-12 oz Aerosol Cans: 35001G
CASE SHIPPING WEIGHT (kilograms)	6-12 oz Aerosol Cans: 7 LB (3.2 kg)

Transportation Guidelines:

When shipping via Ground Transportation:

All Packaging: Consumer Commodity, ORM-D (No flammable label needed)
(Box must be marked "Consumer Commodity, ORM-D")

When shipping via Ocean Freight:

All Packaging: Aerosol (No flammable label needed) Class 2 No Pkg. Group UN1950
Box must be marked "Aerosol, UN1950" (Cover "Consumer Commodity ORM-D" on pre-printed box)

When shipping via Air Freight:

All Packaging: Aerosols, flammable (Class 2 Flammable Gas label) Class 2.1 No Pkg. Group UN1950
Box must be marked "Aerosol, flammable, UN1950, LTD. QTY." (Cover "Consumer Commodity, ORM-D" on pre-printed box)