



BODY ARMOR FOR YOUR GEAR™

# User Manual & Product Details

**Smooth-Kote™ • BP2000 Powder™ • Hi-Slip Grease™**

Sentry Solutions • 5 Souhegan St., PO Box 214, Wilton, NH 03086 • USA • 603/654-3001 • Fax 603/654-3003  
Toll Free Order Line 1-800-546-8049 • www.sentrysolutions.com • Email info@sentrysolutions.com

**T**hank you for joining the Sentry Solutions Oil-Free Revolution. SMOOTH-KOTE™, BP2000 Powder™ and HI-SLIP GREASE™ were engineered to solve firearms malfunctions caused by the use of dirt attracting oil and traditional lubricants. When firearms are faced with dust and dirt, oil attracts it! When exposed to freezing temperatures, conventional products thicken and gum up. Sentry Solutions' dry bonded lubricants and protectants do not attract dirt and so enhance reliability under the harshest and most extreme conditions - from the scorching deserts of Kuwait to the Ice Curtain of the Bering Strait. Developed for professionals whose lives depend on the performance and reliability of their firearms and gear; Sentry Solutions products are battlefield tested, combat and competition proven - upgrade your firearms with confidence.

Please ask your dealer about Sentry Solutions full product line including TUF-CLOTH™ and TUF-GLIDE™.

## Product Uses

Firearms Lubrication • Bore and Barrel Treatment • Enhance and Maintain Accuracy • Tune Triggers - lightens, smoothes • Action smoothing • Barrel Break In • Barrel Life Extender

## Applications

Firearms • Compound Bows • Bicycles • Automotive • Paintball Guns • Lock Mechanisms • Industrial Uses

## Benefits and Key Features

Oil-free-grit free action • Works when dry - will not attract dirt • Firearms stay clean-even after thousands of rounds • Odorless for hunting • Eliminates build up caused by coated bullets • Increases bullet velocity • Eliminates the need for a fouling shot • Maintains cold shot accuracy • Lighten and smooth triggers without polishing • Prevents freeze ups - Exceptional lubrication in freezing and high temperatures • Eliminates grime - clean by brushing off • Fast, solvent free cleaning • Clean less - shoot more - when you lube right.

## How it Works

SMOOTH-KOTE™, BP2000 Powder™ and HI-SLIP GREASE™ share a common technology; high purity, passivated molybdenum disulfide. But each product uses a different form and blend of moly. These three products solve all lubrication problems found in firearms. When used as part of the Sentry Solutions system they offer complete oil-free protection against fouling, residues, friction, corrosion and wear.

SMOOTH-KOTE™ is a black/gray, light viscosity, fast-drying paint-like liquid. It is easily applied to the interior parts and surfaces of all types of firearms. SMOOTH-KOTE is an oil-free lubricant and bore treatment that molecularly bonds to metal, protecting against friction, fouling and wear from -65°F to +650°F. This proprietary mix of dry film lubricants uses a residue-free isopropyl alcohol (same as rubbing alcohol) carrier. The carrier provides cleaning action and then evaporates, allowing the lubricants to bond with the pores in metal surfaces. This micro-bonding assures long-lasting effectiveness in all conditions and temperatures. SMOOTH-KOTE gives metal surfaces a non-stick, lubricating shield which reduces friction by smoothing rough surfaces; repels fouling and carbon residue with a physical barrier thereby eliminating grime. In the bore this effect increases velocity by allowing bullets to travel over a smoother lubricated barrel; reduced friction in turn reduces heat - the result is less fouling. Any fouling which may occur is not able to bond to the bore's surface; the result: firearms remain accurate for a greater number of rounds. SMOOTH-KOTE eliminates the need for a fouling shot and maintains cold shot accuracy. Unlike bullet coating, SMOOTH-KOTE will not build up in the bore and is easily removed with bore solvents. After using SMOOTH-KOTE, you will find almost no need for bore solvents; the fouling cannot stick to SMOOTH-KOTE's non-stick bonded barrier.

BP2000 Powder™ is extremely fine sub-micron passivated molybdenum disulfide particles, applied by rubbing into metal surfaces. It bonds directly to the gun metal giving it a lubricating non-stick coating that prevents fouling and dirt build-up. BP2000 lightens and smoothes triggers and gun actions by lowering the coefficient of friction. BP2000

*(over)*



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(cont.)

Powder may be used on its own or on top of SMOOTH-KOTE or TUF-CLOTH-treated surfaces to further reduce friction and enhance non-stick properties. Trigger pulls may be reduced by as much as 20% lighter when used on top of SMOOTH-KOTE.

HI-SLIP GREASE™ is a synthetic blend containing the purest, molybdenum disulfide available. Designed for use on all high-load bearing surfaces, such as locking lugs on bolt actions, a light application prevents galling and corrosion of all metals including titanium, stainless steel and aluminum even in extreme conditions. HI-SLIP offers the benefits of a self-healing, non-toxic heavy duty lubricant without the migration problems of oils. Formulated specifically for firearms and military hardware, it lubricates and stops rust from -65°F to 650°F and resists water wash-off. When used with Sentry Solutions dry film lubricants it minimizes the surface area in a firearm that would remain “wet and dirt attracting”.

## Safety

When working with firearms, before you begin, ensure the firearm is unloaded and there is no ammunition at hand.

## Directions for SMOOTH-KOTE, BP2000 Powder and HI-SLIP GREASE

1. Use gloves if available; or use waterless hand-cleaner for clean up. Clean surfaces well, use a residue-free cleaner, or rinse the cleaned/degreased surface with rubbing alcohol or similar.
2. Stir and shake SMOOTH-KOTE well. Apply a thin coat to all interior surfaces, including the bore, using a brush, dipping, spraying, or by using the needle applicator to wet patches (Fig. 1). Allow 2 hours at room temperature for curing, or heat using a hair dryer or similar to shorten curing time. NOTE: Surfaces treated with SMOOTH-KOTE will

have a black/gray color. If in doubt about color, test on an interior surface. For quick clean up of SMOOTH-KOTE wipe before dry with paper towel moistened with rubbing alcohol.

3. Allow SMOOTH-KOTE to dry completely if fine tuning with BP2000 Powder on top of it. Put a small amount of BP2000 on a clean patch, cloth or swab and briskly rub into the metal surface. If disassembly of parts is not possible gently squeeze the bottle, blowing the powder into the exposed mechanism (Fig. 2). Work the parts to ensure complete coverage. NOTE: Surfaces treated with BP2000 will have a silvery gray mirror like finish. If in doubt about color, test on an interior surface.

BP2000 Powder may be used on top of TUF-CLOTH-wiped surfaces in the same way.

4. Use HI-SLIP GREASE sparingly (a spot of grease about the size of a pinhead) on high load or extreme wear points (Fig. 3). Apply to locking lugs on bolts, slides rails and high friction points of non-hammer and sear trigger systems. Wipe off excess.
5. To maintain: use a dry nylon-bristle brush to clean surfaces and bore. Then touch-up wearing surfaces with SMOOTH-KOTE or BP2000. NOTE: If using lead bullets, bore may be cleaned using a bronze brush or, if needed, bore solvent. Then re-treat bore with SMOOTH-KOTE as in step 1 and 2.
6. Use TUF-CLOTH to wipe exterior of firearm, magazines and magazine well, even wood and plastic components.

*For “in the field” maintenance, TUF-CLOTH can be used to maintain all surfaces. Excessive wiping with cloth can remove some SMOOTH-KOTE, BP2000. No solvent needs to be used prior to touching-up with SMOOTH-KOTE. TUF-CLOTH provides cleaning, corrosion protection and lubrication to SMOOTH-KOTE-treated surfaces.*



Fig. 1

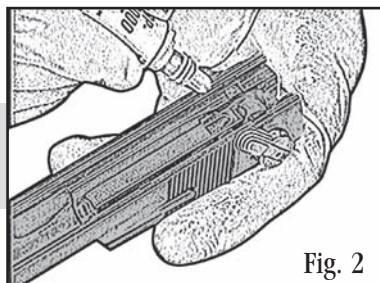


Fig. 2

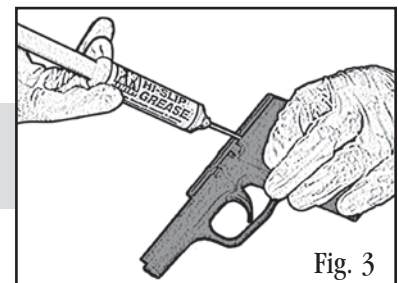


Fig. 3