



User Manual & Product Details

Smooth-Kote[™], *BP2000 Powder*[™] & *Hi-Slip Grease*[™]

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Sentry Solutions product line was developed as a system to replace the use of traditional oil based lubricants. Proper use of our product line reduces, and in most cases eliminates the need for firearm cleaning solvents. Cleaning becomes as simple as brushing off. All of the products can be used for complete firearms care or used individually to solve specific problems such as rust prevention or trigger tuning. SMOOTH-KOTE[™], BP2000 Powder[™] and HI-SLIP GREASE[™] share a common technology; high purity, sub-micron molybdenum disulfide, but each product uses a different form and mix.

SMOOTH-KOTE, a light viscosity, fast-drying liquid, is easily applied to the interior parts and surfaces of firearms. BP2000 Powder is an extremely fine powdered form of moly, applied by rubbing into metal surfaces where it works microscopically. Sub-micron passivated molybdenum disulfide particles bond directly to the gun metal giving it a non-stick coating that prevents fouling and dirt build-up, while lubricating triggers and gun actions to a new level of smoothness. HI-SLIP GREASE is a synthetic blend containing the purest, sub-micron molybdenum disulfide available. As grease, it is not a dry film and reduces wear on high-load bearing surfaces. HI-SLIP offers the benefits of a self-healing, non-toxic film without the migration problems of traditional oils. Formulated specifically for firearms and military hardware, it lubricates and stops rust from -65°F to 650°F and resists water wash-off. Even under extreme conditions and high load, it prevents galling of all metals including titanium.

These three products solve all lubrication problems found in firearms. When used as part of the Sentry Solutions, system they offer complete dry film protection against friction and wear. High load bearing surfaces are best lubricated with HI-SLIP GREASE. While not a dry film, its “stay put” power minimizes the surface area in a firearm that would remain “wet”.

SMOOTH-KOTE is a fast-drying 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 residue-free isopropyl alcohol (the same as found in rubbing alcohol) as a carrier. The carrier provides cleaning action, then evaporates, allowing the lubricants to bond with the pores in metal surfaces. This micro-bonding assures long-lasting effectiveness in all conditions. SMOOTH-KOTE and BP2000 Powder eliminate grime with advanced non-stick dry protection that repels dirt, and shields against residue build-up, making clean up as simple as brushing off. When used as a bore treatment, the bonded lubrication smooths the rough spots to dramatically reduce fouling thereby enhancing accuracy, bullet velocity and reliability. SMOOTH-KOTE, unlike expensive bullet coating, 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 the SMOOTH-KOTE barrier. Solvent free cleaning is possible because SMOOTH-KOTE bonds more strongly to the metal than the dirt and residue does to SMOOTH-KOTE.

BP2000 Powder can be used on its own or on top of SMOOTH-KOTE- or TUF-CLOTH-treated surfaces to further lower the coefficient of friction. This specialty lubricant lightens gun triggers (as much as 20% lighter when used on top of SMOOTH-KOTE), lubricates gun actions and conditions bores so they perform better than new. It protects metallic gun surfaces from friction and fouling.

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

1. Use gloves if available; otherwise, 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 Precision Applicator to wet patches. Allow 2 hours at room temperature for curing,

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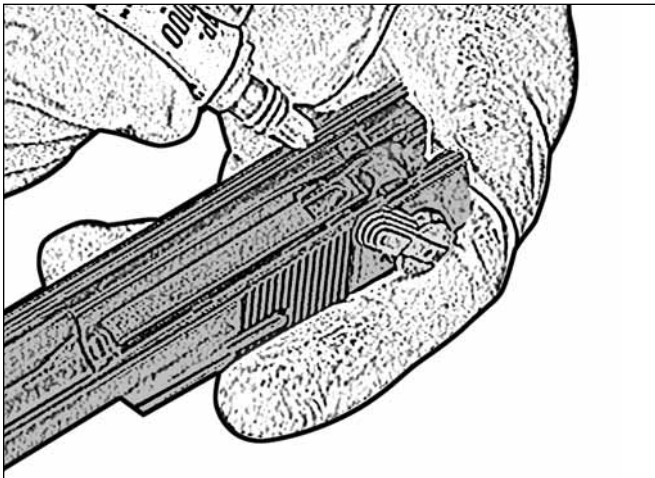
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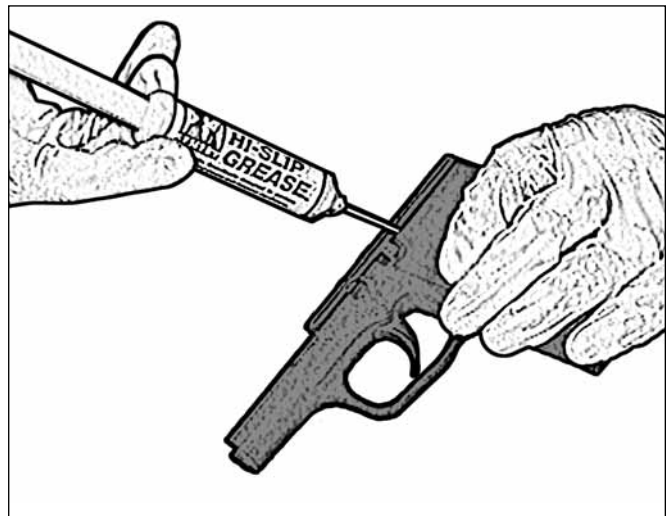
or apply heat using a hair dryer or similar to shorten curing time. NOTE: Surfaces treated with SMOOTH-KOTE will have a black/gray color. If in doubt about color, test on an interior surface. For quick clean up of SMOOTH-KOTE wipe before dry with paper towel moistened with rubbing alcohol.



3. Allow SMOOTH-KOTE to dry completely if applying BP2000 Powder on top of it. Put a small amount of the powder on a clean patch, cloth or swab and briskly rub the powder into the metal surface. If disassembly of parts is not possible gently squeeze the bottle, blowing the powder into the exposed mechanism. 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. Apply to locking lugs on bolts 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.

Please visit www.sentrysolutions.com for detailed information or Email us at help@sentrysolutions.com.



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Tuf-Cloth™ and Tuf-Glide™

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Thank you for buying Sentry Solutions Products. Our revolutionary products were engineered for people whose lives depend on the performance and reliability of their firearms and equipment. Sentry Solutions solve equipment malfunctions caused by the use of oil and traditional lubricants. When faced with dust and dirt, oil attracts it! When exposed to freezing temperatures, oils and PTFE based products can thicken and gum up. Sentry Solutions' dry bonded lubricants and protectants do not attract dirt and enhance reliability under the harshest and most extreme conditions, from temperatures of -65°F to +650°F. Sentry Solutions products proved their superior performance through exhaustive testing and field use by military special operations and law enforcement agencies.

Product Uses and Applications

Sentry Solutions will help you get the most from all of your equipment, tools and gear. Whether you are an outdoor enthusiast who hikes, hunts and fishes or a collector of vintage firearms and cutlery, our product line will enhance the performance and extend the life of your investments.

Common uses for Sentry Solutions' Product Line: Rust Protection and Lubrication; Firearm Lubrication; Knife Care and Fishing Tackle Care.

Each of our products was designed to solve specific problems; our TUF Products and Hi-Slip Grease™ have a variety of uses and are the most versatile in our line. Smooth-Kote and BP2000 Powder are true performance enhancing lubricants designed specifically for firearms internal parts.

Safety

When working with firearms, before you begin, ensure the firearm is unloaded and there is no ammunition at hand. Sharpened edges of knives and cutting tools should be handled carefully to avoid cuts and damage to fine edges.

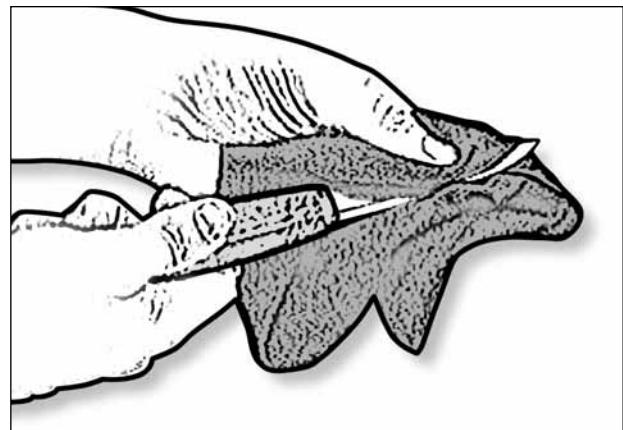
Rust Protection-

Sentry Solutions' TUF products are fast drying replacements for oils, silicones and traditional corrosion inhibitors. TUF-CLOTH™, MARINE TUF-CLOTH™ and TUF-GLIDE™ provide dry bonded, non-toxic protection against rust, friction and wear for all types of outdoor gear and tools.

Wiping with TUF-CLOTH delivers cleaning, rust protection and lubrication. Pure mineral spirits is the carrier for the active ingredients and provides cleaning action. It evaporates, and Sentry's proprietary ingredients micro-bond to the surface; this bonding assures long-lasting effectiveness. TUF-GLIDE gets into all the hard to reach areas of your gear, where it penetrates for added protection. TUF Products displace water and are great to use on finished wood surfaces and safe for most fiberglass and most plastics.

Directions for TUF-CLOTH and TUF-GLIDE-

1. For best results apply to clean residue free surfaces. This allows the active ingredients to easily bond to the pores in metal surfaces. If there is any doubt the cleaner used does not leave surfaces residue free, rinse the cleaned surface with rubbing alcohol.



2. Rub surfaces firmly with TUF-CLOTH and allow to dry. Drying time depends on thickness of coating/dampness of cloth. If cloth dries out add Tuf-Glide or pure mineral spirits (not turpentine) to restore its original "feel".

3. Return cloth to its special vapor-barrier pouch and seal tightly for longer life.

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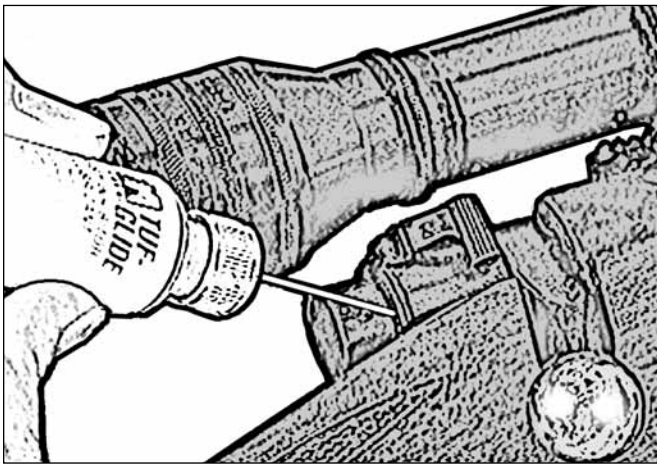


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Tuf-Cloth™ and Tuf-Glide™

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TUF-GLIDE precision needle bottle allows for pinpoint application. **1.** If surface is very dirty or grease covered, clean first with residue-free cleaner before using TUF-GLIDE. **2.** Apply a few drops of TUF-GLIDE to surfaces to be lubricated and protected. Work the mechanism to insure complete coverage. **3.** Wipe off any excess and remainder of equipment with TUF-CLOTH or any clean lint-free cloth.



USE FREQUENTLY IF ITEM IS EXPOSED TO WEAR OR STORED OUTDOORS.

FOR EXTREME CONDITIONS OR SALTWATER APPLICATIONS USE WITH SENTRY'S MARINE TUF-CLOTH.

Other uses for TUF-CLOTH and TUF-GLIDE- fishing tackle fly line treatment, door hinges and locks, power tools, golf clubs, boat parts and tarnish elimination on precious metals; chrome engine and exhaust parts.

Questions about TUF-CLOTH and TUF-GLIDE

How often do I need to use TUF-CLOTH?

When you first start using the product, use it every time you use or handle your equipment. This will ensure that you are getting complete coverage and the active ingredients bond to the pores of the metal. Once your equipment has been thoroughly wiped with TUF-CLOTH the protection can last up to a year if the item is in storage. If the metal is exposed to wear or extreme conditions you should use TUF-CLOTH more frequently.

Will TUF-CLOTH remove rust on my equipment?

No, TUF-CLOTH is not a rust remover. You can use TUF-GLIDE on synthetic steel wool to remove surface rust. If the metal has severe rust you will need to use a rust remover (naval jelly works well). Rust removers may remove finishes from metal. Once you have removed the rust, use TUF-CLOTH to keep the rust from forming again.

What if my TUF-CLOTH dries out?

TUF-CLOTH can be restored using TUF-GLIDE or odorless mineral spirits, available at most hardware stores. Simply open the zipper on the pouch and pour a teaspoon of TUF-GLIDE onto the cloth and re-seal the bag. TUF-CLOTH is user adjustable; the wetter the cloth, the thicker the coating. To apply a thinner coat, allow the cloth to dry slightly. A dry TUF-CLOTH can be used as a polishing cloth. If you prefer using a wetter TUF-CLOTH, when the surface is dry, buff off the excess with a clean dry, lint-free cloth.

Do I need MARINE TUF-CLOTH?

MARINE TUF-CLOTH has additional rust inhibitors. If your equipment will be exposed to salt-water, sweat soaked (as in concealed carry), or in storage, use MARINE TUF-CLOTH. This product was designed at the request of Navy SEALs for diving operations and provides a thicker film of protection for extreme conditions. The thicker film dries more slowly and leaves gloss finishes hazy. The haze can be buffed to a shine using a clean lint-free cloth, without removing the protection.

Can I use my TUF-CLOTH treated knife to cut food?

TUF-CLOTH's dry bonded protection is non-toxic. The bonding reduces any transfer to food items cut. If you plan to cut food with a TUF-CLOTH treated blade, we suggest that you wash or wipe the blade first, and then reapply when convenient.

The needle applicator of my TUF-GLIDE bottle is blocked, how can I unclog it?

The wire inside a "twist tie" is the perfect size for reaming the needle.

TUF-CLOTH and TUF-GLIDE smell; will it affect my hunt?

No, game will not detect the odor. As the products dry and bond to metal the smell disappears.