

HOPPE'S®



**THE GUN CARE PEOPLE
SINCE 1903**

GUIDE TO GUN CARE



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A message from Hoppe's®

Today, firearms have come under scrutiny from many sources. And, in many cases, with good reason.

Those of us who hunt or shoot for sport, as well as many who maintain firearms for security, are just as concerned about the responsible use of guns as the public at large.

Your safe and responsible use of guns is the best insurance any of us can have for our own gun rights and the rights of future generations. We at Hoppe's hope that, in addition to taking proper care of your firearms, you will treat them with respect and remember to always act in a way that reflects well on all of us. The NRA has three rules that, if applied every time you pick up a firearm, will greatly reduce the number of accidents caused by careless firearm handling.

- **Always keep your gun pointed in a safe direction.**

This ensures that even if your gun were to discharge no one will be killed or injured.

- **Always keep your finger off the trigger until ready to shoot.**

- **Always keep your gun unloaded until ready to use.**

Do not store a firearm in a loaded condition. If you use a firearm for home protection, take extra precaution in the storage of that gun. Store it so that it is not accessible to unauthorized persons.

Ammunition should never be present while cleaning a firearm!

Be sure you know and follow federal, state and local laws governing the sale and use of firearms.

Always get permission to enter onto the property of others. Never, under any circumstances, endanger anyone's life, individual rights or property.

Always know your target and what is beyond. Be sure that if you were to miss the target you are aiming at there is no one or nothing beyond the target that might be killed, injured or damaged.

When disposing of a firearm be sure it has been rendered permanently unusable or impossible to repair. If you wish to dispose of a firearm that is still in usable condition, please turn it over to local authorities.

Finally, encourage the proper and safe use of firearms by others. Support the educational programs of the National Rifle Association, National Shooting Sports Foundation, IHEA and similar safety organizations.

If we all follow these simple rules, we will all benefit in time. We, here at Hoppe's, will continue to promote these values at every opportunity, to insure the continuance of the sports we love and the rights we enjoy.

Hoppe's — the edge you need

We know the extremes shooters will go to in quest of a prize. Whether it's a trophy elk or a competition medal, complete concentration and unswerving accuracy are absolutely necessary to make every critical shot.

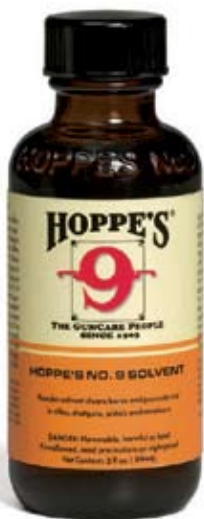
At the moment of truth, a shooter requires total confidence that his gun will perform precisely—time after time—the perfect extension of the shooter's will.

To achieve that level of confidence, an experienced shooter will pay meticulous attention to every detail. He'll know his gun as well as his dog, his quarry and his own five senses. And he'll go to extraordinary lengths to fine-tune his firearm so it performs flawlessly at the decisive moment.

With that in mind, we at Hoppe's design our products to satisfy these same extraordinary demands.

Our cleaners and lubricants are formulated with the purest ingredients and tested to perform under extremes of weather and temperature. So, while you might not always be sighting in on an antelope on a hot, dusty Wyoming prairie, it's nice to know your gun could handle it if you needed it to.

For over 100 years, Hoppe's has earned the reputation as "The Gun Care People." Gun care is our home territory, and we know it as well as you know your favorite haunts. This is the best advice we can give on gun care, gained through over a century of experience in the laboratory, in the field and on the shooting range.





**The importance
of good gun care**

Be good to your gun and it will be good to you. With regular cleaning, lubricating and rust prevention, you should get many years of enjoyment and top performance from your gun.

If you prepare your gun correctly for any adverse field conditions and clean it at the end of each day you use it, it will reward you with smoother operation and unwavering accuracy.

If you don't, you run the risk of fouling from powder, metal corrosion from moisture buildup and simple neglect. All of which will eventually affect accuracy, cause jamming and shorten the life span of your firearm.

Fouling from powder and metal

Over the years powders have been improved, but they still leave deposits you can't even see.

If your gun isn't cleaned regularly, these powder deposits eventually build up. When they do, they start to affect accuracy. They also attract moisture, which can lead to rust.

Metal fouling is a different problem that occurs most often in handguns and rifles that use copper-jacketed, high-velocity loads.

The copper jacket leaves tiny metal fragments in the barrel which creates rough spots. The rough spots cause further fragmentation after the next shot, and so it goes with every shot you make until the bore is cleaned. Like powder deposits, these irregular metal deposits build up to a point where they affect accuracy.

A simple barrel cleaning can prevent both types of fouling and takes just minutes or, with new products such as the Hoppe's BoreSnake[®], even less time than that (see page 12). So it's well worth the little effort it takes.

The effects of moisture on the life of your gun

Moisture is a problem that can seriously cut into the life span of a gun. The effects are usually hard to see until the problem becomes acute. Eventually, unless you take steps to prevent it, moisture damages a gun to the point of total uselessness.

Condensation is one of the most insidious ways that moisture attacks your gun. If you're shooting outside on a cold day and then bring your gun into a warm room, condensation takes place immediately on all metal surfaces — inside and out.

Any type of condensation or moisture — whether it's from moist air, rain, snow, fog or saltwater — will start the rusting process within 24 hours of contact. So, anytime you experience these conditions, remember to dry your gun immediately.

Saltwater will create even greater problems because it is by far the most corrosive type of moisture. If you're shooting in or near a salty marsh or the seashore — even if you're a few miles away — remember that there's plenty of salt in the air and take precautions against it.

You can find tips on rust prevention and special cleaning techniques to prevent corrosion in our section on Field Conditions (see page 15).

Simple neglect

As long as a gun is cared for properly, it won't show the effects of old age. But many sportsmen make the mistake of thinking that if a gun is cleaned and lubricated correctly before being put away, it can stay in storage indefinitely without any further maintenance. That simply isn't true.

You do have to prep your gun properly before putting it away. It's important that you store it in a clean, dry place, preferably a gun cabinet or safe. Guns should not be stored in gun cases. But, even though you've taken all the right precautions, you still need to strip the gun down periodically and clean it thoroughly, even though it may not have been fired and is completely protected in storage.

If you follow our recommendations for cleaning, lubricating and storing, your gun will reward you with many years of exceptional service. If you need proof, just stop in at a gun show or black powder competition. You'll see all kinds of antique firearms that still perform admirably in the hands of the skilled shooters and collectors who lovingly maintain them.



**What to do with
a new gun**

Most guns come from the factory with a light coating of grease on all the metal parts. This is simply to protect it against any corrosion that might occur if the gun has to sit on the dealer's shelf.

If the gun is still in its original box, it is safe to assume it will be greased. If it's a gun that's out of its box and on display, there may be a chance that the dealer has already degreased it.

The easiest thing to do is ask. But even if the answer is, "Yes, we've cleaned it", it's always a good idea to inspect your new gun yourself. If you run a finger over the metal, you'll be able to tell whether it's oiled or greased.

Any grease has to come off before you use the gun

Grease is messy and you simply don't want it on your hands or clothing while you're handling your gun. There is also a practical reason for removing it. Grease can slow down the action and impede a bullet's speed through the barrel.

When you get your new gun home, clean it first with regular Hoppe's No.9™. This will cut the grease easily and leave a thin protective coating on any metal parts.

If you don't have a cleaning kit, now is the time to invest in one. Hoppe's Gun Cleaning Kits come with all the essential items you need to get you off to a good start: cleaning rod, patches, accessory ends, solvent and lubricating oil. In addition, consider the Hoppe's BoreSnake...a revolutionary all-in-one cleaning tool that is billed as (see page 12).

"The World's Fastest Gun Bore Cleaner."®





**The
quick
way to
clean
your
gun**

Many experienced shooters have their own preferred way of cleaning their guns and may even have their favorite rags and other materials they've come to like over the years. But here are some simple procedures for cleaning your gun so it's adequately protected and ready to use.

A simple barrel cleaning takes only minutes

You will need: cleaning rod, bore brush of proper caliber or gauge for your firearm, slotted end, cloth patches, Hoppe's No. 9 Solvent of your choice, Hoppe's Lubricating Oil, Hoppe's Tynex® or Phosphor Bronze utility brush, and a cleaning cloth.

Be sure the gun is unloaded and all ammunition has been removed from the cleaning area

1. Attach the bore brush to the cleaning rod and moisten with Hoppe's No. 9. Starting from the breech end of the barrel, when possible, work the brush back and forth to loosen residue and fouling. *Ensure the brush passes completely through the barrel before drawing the brush back through the barrel.* Starting from the breech end guards against any accidental contact between the metal rod and the finely-machined rifling at the muzzle tip and reduces the amount of fouling, deposits or metal fragments that may fall into the action.

2. Remove the bore brush and attach a slotted end to the cleaning rod. Insert a cloth into the slotted end and, starting from the breech end of the barrel, push the cloth through the barrel. Remove the cloth and repeat process until the final cloth comes out clean. This will remove any lead and powder deposits. If you've been shooting with copper-jacketed bullets, you'll need to use Hoppe's Bench Rest 9®. Bench Rest 9 has been specially formulated to cut copper, as well as lead and any other build-up in the barrel.





We also make specialty solvents, which you may want to consider. Our Semi-Auto Solvent is for high-performance semi-automatic pistols and rifles. It cleans lead and copper fouling, leaving absolutely no trace residue. In semi-autos that are finely tuned to extremely close tolerances for competition, this is a special advantage that prevents sticking or jamming.

Another specialty product — Hoppe's No. 9 Plus — is a solvent and patch lubricant made especially for black powder. It's highly effective for both deep and shallow-grooved barrels and should be used frequently when black powder shooting. In fact, many black powder enthusiasts use it after every shot. (For special tips on maintaining black powder firearms, see the specific section on black powder firearms.)



Once you've finished, apply a thin coat of oil

Hoppe's offers a complete line of patches to fit every firearm and every cleaning need.

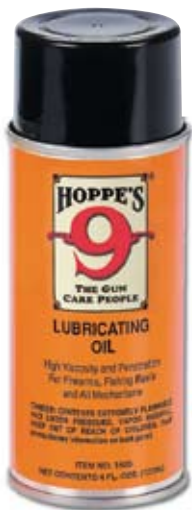


3. Now that you have finished cleaning the bore, attach a clean patch to the slotted end and moisten it with Hoppe's Lubricating Oil and run it through the barrel once. This will put a fine coat of oil inside your barrel to prevent rusting.

Clean and lubricate any moving parts

4. Using your utility brush, clean dirt and materials from the gun's action. Moving parts such as the action and trigger mechanism can be wetted with solvent, then scrubbed with the brush. Any type of Hoppe's solvent can be used. The larger bristles on the utility brush can be used to clean any broad surfaces, while the smaller bristles can be used to get into hard-to-reach areas.

5. After you've scrubbed with the brush, wipe the area clean and apply a light coating of oil.



Wipe all metal surfaces clean and lightly oil

6. Finally, wipe all exposed metal surfaces with a light coat of oil.



BoreSnake®... a faster alternative

Hoppe's revolutionary BoreSnake is "The World's Fastest Gun Bore Cleaner." This unique product brushes, flosses and cleans your gun bore in a single pull.

The anatomy of a BoreSnake

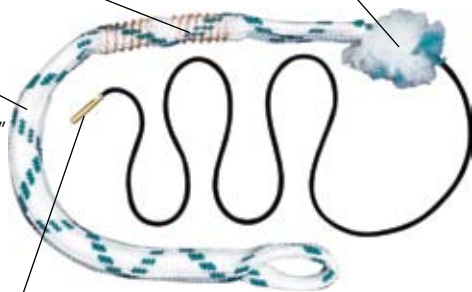
Bore Brush with bronze bristles is embedded in cord to loosen hard deposits.

First Floss Area removes foreign particles prior to the scrubbing action of the brush.

Main Floss Area provides 160 times more surface area than a "patch." Cleans like no other product.

Brass Weight

slips easily through the barrel. Grasp and pull cleaning cord through bore. Stamped for identification of caliber or gauge.



To use the BoreSnake, apply Hoppe's No. 9 Solvent to the first floss area of the BoreSnake and drop the brass weighted end through the breech of the gun so that it falls through the length of the barrel. Then pull the entire BoreSnake through the barrel. The first floss area removes loose foreign particles. The embedded bronze brush will scrub away all fouling and residue. The body of the BoreSnake will swab the entire length of the barrel, flossing and polishing...all in a single pull.

You can then apply a few drops of Hoppe's Lubricating Oil to the body of the BoreSnake and give it another pull through the bore.

BoreSnakes are available in specific calibers and shotgun gauges with color-coded bodies and stamped brass weighted ends to denote caliber or gauge.





**Getting
ready
for the
field or
range**

Even though you may have cleaned and lubricated your gun correctly before putting it away, it is a mistake to think you can just go out and start shooting after the firearm has been stored for long periods of time. We recommend you give it a simple visual inspection to determine what — if any — maintenance may be needed.

Make sure the gun isn't loaded and all ammunition is safely stored away from the gun.

Look through the bore to check for any rust. If you see rust, you will need to remove it. Make sure the action moves freely. If it feels stiff, lubricate it lightly.

Finally, as a routine measure, clean the bore before you begin shooting. Hoppe's makes the perfect field cleaning tool for this chore in our Hoppe's Field Cleaner

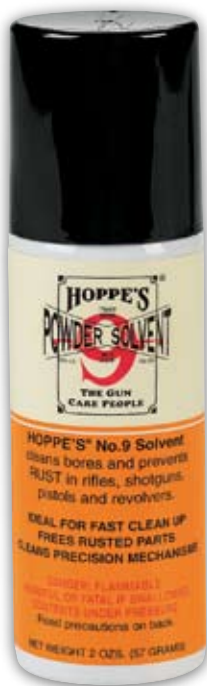
What to take along

Going on an extended field trip? We recommend taking along either the Hoppe's Premium Universal Field Kit or a Hoppe's BoreSnake, "The World's Fastest Gun Bore Cleaner". If you're doing a lot of shooting, you'll need to pay more attention to cleaning and lubricating.

This is especially true if you're in a competition and plan on firing lots of rounds. If you're using copper-jacketed bullets, be sure to take along Bench Rest 9, made especially to cut copper fouling. Or, take Semi-Auto Solvent if you're firing a fine-tuned semi-automatic firearm.

On a hunt, there are a number of easy-to-carry products that you may want to have along.

Hoppe's No. 9 is available in an aerosol can that fits easily in any pocket or bag. There are also other Hoppe's products available in convenient aerosol cans, such as Hoppe's Lubricating Oil and Hoppe's Barrel Scrubber.





For easy surface cleaning, our Wax Treated Gun Cloths and Weatherguard™ Cloths can be used to wipe away any dust or dirt you may pick up. Weatherguard Cloths are charged with Bench Rest Lubricating Oil and Weatherguard, a formula that drives out moisture and protects against rust.

Shooting in rain or snow

Preparation can save you a lot of headaches, especially if you're anticipating poor field conditions. Hoppe's No. 9 and Bench Rest 9 provide some measure of



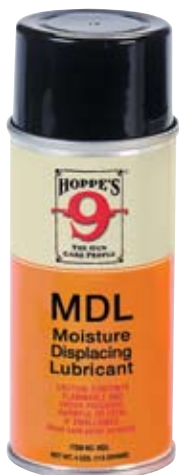
protection against the heavy moisture in rain or snow. For added protection, wipe the exposed metal surfaces with our Weatherguard Cloth before going out. Weatherguard Cloths contain ingredients that drive out moisture, lubricate and prevent rust, and are easy to carry in the field.



After a day in the rain or snow, good maintenance becomes critical to prevent any rust. Dry your gun off with towels or cloths as best you can.

Next, spray on Hoppe's MDL, our moisture displacing lubricant, or wipe with a Weatherguard Cloth. This will get deep down into places a regular cloth might miss, and will actually lift moisture out.

Finally, dry again with a clean cloth and you will have adequately removed the moisture.





Your gun is now ready to use again. If you're finished with it and intend to put it away, there's one last thing you should do—let the gun sit for 24 hours, then apply Hoppe's No. 9 to remove any residue, paying special attention to all moving parts. As a last step, apply a light lubrication and your gun is ready to be put away.

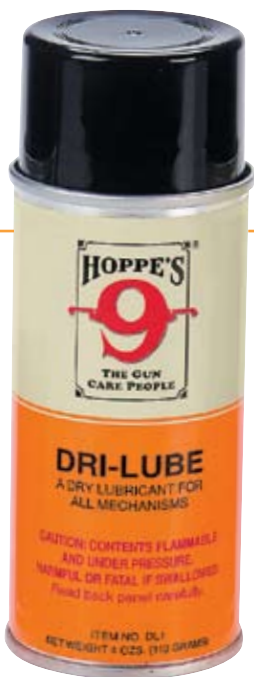
Cold weather shooting

Before going out in cold weather, we recommend applying Hoppe's Dri-Lube or our aerosol Hoppe's Lubricating Oil to all moving parts. This will keep the action smooth under normal cold conditions.

Hot, dry, dusty conditions

As it turns out, the products recommended for cold are the same ones recommended for extreme heat.

If you're going out in a desert area or the hot, dry plains, Hoppe's Dri-Lube will repel dust and maintain good lubrication in extreme heat. So, if you're firing hundreds of rounds in a Nevada desert, your gun will perform the way you want it to.





**After the
Hunt or
Competition**

Ideally, you should clean your gun after every use. Competition shooters, in fact, may want to clean their gun several times during the course of a day. But here are some practical guidelines that cover a wide range of typical situations.

If you're hunting, there's always a chance that game may be scarce and you may not get off too many rounds. If that's the case, there's no reason to be obsessed with cleaning. But once you've fired off a dozen rounds or more, cleaning is a good idea.

A simple barrel cleaning, such as we've described earlier, is perfectly okay if you're on a hunting trip for several days or in the heat of a competition. (Note: The Hoppe's BoreSnake is an ideal take-along for quick cleanings in the field or at the end of a day of hunting.)

You'll need to do a more thorough cleaning periodically to get at residues that are working their way into the grooves.

A thorough barrel cleaning involves the use of a brush

Residues will eventually build up in a barrel, starting on a microscopic level. While patches will remove any surface residues, they can't get at the minute buildup that occurs in the fine grooves of the barrel. This buildup ultimately defeats the purpose of the grooves and thereby affects accuracy. So you should do a thorough cleaning on a regular basis, depending on the number of rounds you shoot.

For a thorough cleaning, use a Hoppe's cleaning brush. There are several types available. Our traditional brushes have either Tynex[®] bristles, which is a nylon-like material, or Phosphor Bronze, which is a metal bristle softer than the metal in your barrel. We also manufacture a premium



Tornado Brush, which has a special spiral-wound design that eliminates any bristle ends. The traditional brushes are for the vast majority of sportsmen, ranging from occasional shooters to serious hunters. The stainless steel Tornado Brush is for competition shooters and purists who insist on a perfect finish in the barrel.



The procedure for cleaning, however, is the same for all types of brushes. Clean the barrel first with patches, as we've described earlier in our recommendations for simple cleaning. Then wet the brush with a solvent — either Hoppe's No. 9, Bench Rest 9 or Semi-Auto Solvent — and run it through the barrel. When using a brush, we especially recommend that you insert it from the breech end, not the muzzle end, whenever possible. While all brushes are perfectly safe to use on any gunmetal, the grooves at the muzzle tip are especially fine and sensitive, and every care should be taken to be gentle with them.

Once you've scrubbed the barrel thoroughly with a brush, go back again with a series of patches to pick up the residue that the brushing has dislodged.

Finally, soak a patch in Hoppe's Lubricating Oil and run it through the barrel to add a light coating of protective oil.

IMPORTANT NOTE ON BRUSHES:

The phosphor bronze and Tornado brushes should be run completely through the barrel before pulling either one back out.

They can't be reversed inside the barrel without bending, snagging or breaking the bristles, which can result in damage.

Tynex brushes can be run back and forth safely while inside the barrel.

Black Powder Shooting



Black powder, muzzleloading firearms are popular with many enthusiasts ranging from hunters to history buffs who participate in military reenactments.

Black powder shooting presents special cleaning challenges which Hoppe's has addressed specifically. In fact, we offer a complete Black Powder Cleaning Kit that has all the materials black powder shooters will need.

Chemicals used in black powder are extremely corrosive. For that reason, we recommend more frequent and thorough cleaning. Ideally, you should clean the barrel after every shot, using Hoppe's Gun Cleaning Patches.

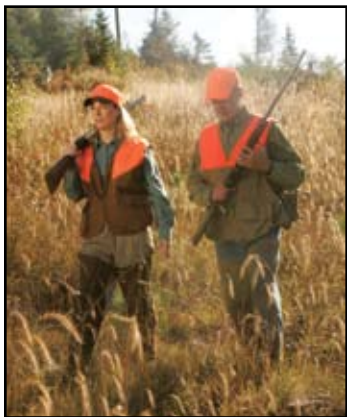
Follow the same procedure you would use for a simple barrel cleaning. First soak a patch in Hoppe's No. 9 Plus —





this is a special cleaning formula created especially for black powder. Work the patch back and forth several times before pulling it out. Repeat until the final patch comes out relatively clean, and then follow up with dry patches until the last patch comes out with little or no color.

We also recommend that every other time you clean the bore, you should clean the breech, too. Finally, brush the barrel clean at the end of the day and coat the gun with Hoppe's MDL before you put it away.



Muzzleloading safety tips

Use only black powder or powders designed specifically for your gun — smokeless powders create extremely high pressure. They can explode the barrel and cause serious injury.

Don't exceed the recommended powder charge — exceeding the maximum recommended charge only increases barrel pressure and risk. It doesn't change the muzzle velocity.

Never load directly into the barrel from a horn or flask — a smoldering ember from the last shot can ignite the powder and follow it back up the barrel into the flask, causing an explosion. Always pour from a separate powder measure.

Keep your face, hands and body clear of the muzzle — use only your fingers to seat the ball. Never put the palm of your hand over the end of a ramrod.

Point the muzzle in a safe direction when loading — never prime or cap the gun until you know where the muzzle is pointed.

Seat the ball firmly on the powder charge — don't try to fire a ball that isn't properly seated. You can damage the gun and hurt yourself.

When in doubt, pull it out — if a ball isn't properly seated, make sure the gun isn't primed or capped, and then get it back out with a ball puller. Never try to fire it.

Don't smoke around black powder — a hot ash can ignite it. Treat it if it were as volatile as gasoline. It is!

Bluing — restoring the original finish

Traditional bluing is beyond the capability of the typical gun owner. It involves dipping the firearm into a vat of heated chemicals to produce a blue or light brown color to the metal. This is how the manufacturer does it.

Making touch up repairs to a blued firearm can be done with a Hoppe's Gun Blue Kit. The kit is complete with all the materials you'll need and simple directions on how to use them.

Preparation of the surface is critical when bluing a firearm yourself.

If metal parts are nicked or scratched, sand them first with extra-fine sandpaper or 000 steel wool. Next—whether you sand or not—remove all traces of dirt, including fingerprints, with Hoppe's Barrel Scrubber. Use a clean cloth or paper towel to rub the cleaner in, then again when you wipe dirt off. Now the surface is ready for Hoppe's Gun Blue.



Apply the Gun Blue evenly, making sure all surfaces are covered. Then let the bluing compound stand for three minutes. Don't attempt to rub it in —this isn't necessary. After it has set for the required time, rinse with clear water and check the result. If the finish isn't as blue as you'd like, repeat the process as many times as necessary until you get the depth of blue you're looking for.

Finally, apply a light coating of Hoppe's MDL to protect against moisture.





**Preparing
your gun for
storage**

If you're not going to be using your gun for a while, it will require some special treatment before putting it away.

Be sure the gun is unloaded and all ammunition has been removed from the cleaning area.

Short-term storage — less than a year. First, take the gun apart and clean it thoroughly as we've described in the stripping section. But instead of applying Hoppe's Lubricating Oil to all parts, apply it only to the wood and action. Coat the bore and all other surfaces with Hoppe's MDL, which provides superior protection against even microscopic amounts of moisture. Then store your gun in a cabinet made for gun storage.

Long-term storage — one year or more. The basic recommendations are the same. Strip the gun down and clean it thoroughly, then apply our Lubricating Oil to the action and wood. However, instead of coating the remaining parts with MDL, you should now use Hoppe's Gun Grease which provides an even thicker layer of protection.

The best place to store a gun for a long period is in a locked gun cabinet.

A few other tips. Never plug the bore for storage. Plugging only prevents moisture from escaping and actually increases the chances of rusting. Don't rest the gun on its rubber recoil pad. The pad can lose its shape and resiliency in a hurry. Finally, when transporting your gun, it's best to carry it in a case for maximum protection.

When you're ready to use the gun again, don't forget to remove the grease or MDL. Treat it just the way you would a brand new gun coming directly from the manufacturer. Clean it with Hoppe's No. 9 and apply a thin coat of Hoppe's Lubricating Oil afterward.





**Other
Hoppe's
gun care
products
& shooting
accessories**

HOPPE'S® ELITE

High performance and accuracy are crucial to serious shooters. Now you can count on our new Hoppe's Elite™ to bring you the most advanced technology in firearm care and cleaning today. Hoppe's Elite meets the demands of professional shooters, military and law enforcement by providing advanced cleaning and lubrication technology.

The Hoppe's Elite technology was originally developed to clean the \$28 million F-16 fighter for the U.S. Air Force. Its special blend of chelating agents, corrosion inhibitors and surfactants safely penetrate the pores of metal through a non-toxic solvent base. In fact, a firearm treated with Hoppe's Elite is cleaner than when it shipped from the factory.

Every time a gun is fired carbon, lead, copper or plastic fouls it. The carbon residue embeds itself deep into the pores of the bore metal and acts like glue, attracting more fouling. Continuous firing layers more carbon, lead and copper fouling onto the surface of the bore. While ordinary and even premium gun cleaners can leave residues behind, Hoppe's Elite:

- Cleans the firearm down to the pores
- Conditions the bore to repel additional fouling
- Provides a powerful lubricant and protectant
- Cuts cleaning time by up to 80%
- Saves you money

Hoppe's Elite is for the hard core shooter, who needs hard core cleaning. Hoppe's Elite is approved as safe by all major gun manufacturers and it exceeds EPA and MILSPEC requirements.



Hoppe's Elite Gun Cleaner

Hoppe's Elite Gun Cleaner cleans firearms to a level that is actually better than the firearms' original, pre-fired condition—which is far superior to what ordinary cleaners and even most advanced cleaners can do—and it does it up to 80% faster! Hoppe's Elite Gun Cleaner activates the surface of the gun metal, not just getting the surface cleaner, but also allowing oils and lubricants to penetrate at the molecular level for superior lubrication of moving parts.



Hoppe's Elite Field Cleaner

Hoppe's Elite Field Cleaner is an all-in-one cleaner that lubricates and protects as it cleans, making this the perfect field cleaner for range shooters and hunters. It uses a synthetic thin-coat technology that provides a microscopic layer of rust inhibitor and lubricant on moving parts to protect against deposits that lead to fouling and reduced accuracy.

Hoppe's Elite Gun Oil



Hard core lubrication for the hard core shooter, Hoppe's Elite Gun Oil provides superior lubrication and corrosion protection to help you increase your shooting accuracy and performance. Hoppe's Elite Gun Oil uses highly refined anti-wear lubricants and other advanced components to provide exceptional protection.

Hoppe's Elite Bore Gel

At last, an advanced cleaning system that is safe for even everyday use! Hoppe's Elite Bore Gel provides the market's most sophisticated deep cleaning and metal conditioning with its state-of-the-art aerosolvents, surfactants and other components. And it does it so quickly, you'll reduce cleaning time by up to 80 percent! Easily removes carbon, lead and most copper fouling.



Hoppe's makes a variety of gun maintenance products not specifically mentioned in the text, yet useful for a variety of purposes.

Beginning shooters are well-advised to start with a basic Hoppe's Gun Cleaning Kit, containing all the essentials for good gun maintenance. Experienced shooters may want to add some of our specialty tools and gun care products, especially if you're involved in shooting competitions or black powder shooting.

Hoppe's Cleaning Kits

Hoppe's offers a wide variety of cleaning kits and accessories containing all the essentials for good gun maintenance. There are both standard and specialty kits that can make each cleaning task easier.

Hoppe's Gun Cleaning Kits — Standard Hoppe's kits come in a wide variety of configurations with graphite, aluminum, brass or stainless steel rods. The Deluxe Wood Box Presentation Kits contain a brass rod and added accessories, handsomely packaged in a wooden box.



Shotgun Chamber Cleaning Kit — Allows you to clean the chamber without having to remove the barrel.

Rifle Chamber Cleaning Kit — Allows you to clean the chamber of a bolt-action rifle without taking the gun apart.

Gun Cleaning Rods — Rifle and handgun rods have a ball bearing swivel handle, designed to follow the rifling of the bore and make turning easier. Shotgun rods have fixed handles.

Field Gun Cleaning Kits — Fit neatly into soft-sided cases. Easily carried and essential for any emergencies.

BoreSnake Gun Cleaning Kit — Includes caliber/gauge-

specific BoreSnake, No. 9 Solvent, Lubricating Oil and Weatherguard Cloths. Ideal as a handy take along.



Other Hoppe's Gun Care Products

Here are some gun care products you'll find helpful, in addition to those already mentioned.

Hoppe's No. 9 Aerosol — Excellent for freeing rusted parts and cleaning metal surfaces.

Gun Cleaning Swabs — Available for all calibers and gauges.

Adaptor, Knob and Slotted Ends — A rifle-to-shotgun adaptor, plus knob ends and slotted ends for popular sizes of rifles, pistols and shotguns.



Barrel Scrubbers — A combination of a brush and swab, these handy accessories are a fast, easy way to clean shotgun barrels.

Choke Tube Lube — Special formula makes changing chokes in the field a breeze.

Hoppe's Shooting Accessories

Bore Light — Fully illuminates the bore so nicks, scratches, pits and fouling can be easily seen.

Universal Trigger Lock — Simple, affordable way to prevent unauthorized use of firearms. Key operated.



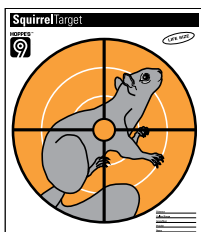
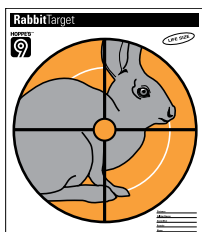
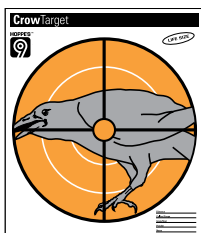
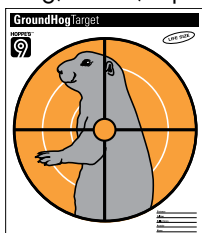
Bench Rests and Bags — Well-constructed rifle and pistol rests, plus a variety of rest bags for the target shooter.

Precision Lubricators — Needle-thin, extra-long stem spouts for those hard-to-reach areas. Available with Lubricating Oil and Moly Oil.

Bow Cam Lube — Just what you need to lubricate your bow cam axles. Comes in an applicator with a precision point.

Gun Cleaning Pad — An attractive hunter green pad protects firearms and working surfaces from scratches and spills.

Critter Targets — Add a note of realism for hunters looking to improve their skills. Available in turkey, ground hog, rabbit, squirrel and crow.



Personal safety

Personal safety should always be uppermost in your mind. While it's often easy to let safety practices slide, you should remember that the most experienced hunters and shooters are the ones who follow these practices most religiously. There's a reason for that. They know you can never take safety for granted, because it could be in that one unguarded moment that disaster strikes.

Always protect your eyes — never forget that a shot is really a small explosion, and minute particles can sometimes come flying out of a discharged gun. Hoppe's Sporting and Safety Glasses are made with tough, impact-resistant polycarbonate lenses.

Hoppe's Sporting and Safety Glasses — can be worn by themselves or over prescription eyeglasses. Lenses come in three shades: clear for simple protection, yellow for added brightness and gray to cut down on glare.



Ear protection is essential — (especially for shooters who are firing a lot of rounds in any given day). The simplest form of protection is Hoppe's Ear Plugs, which fit snugly inside the ear canal. Our newest plugs are softer and nonintrusive, offering maximum comfort as well as protection.



Stoney Point's 28 dB Sound Muffler — is available in a fold-up model that is ideal for convenience and compact storage. Durable ABS plastic ear cups have pillow foam inserts and are fully adjustable to fit all shapes and sizes.

The 25 dB Sound Muffler is ideal for the rifle range, skeet shooting or any other situation where you'll be firing a lot of rounds.



Gun Display

Hoppe's Decorative Hangers — Hoppe's offers three types of hangers for display: Walnut-finish Sportsmen's Knobs for simple wall display, Solid Brass-finish Gun Display Hangers, and handsome Walnut Shields with Solid Brass Hangers.

The safe carrying and handling of your firearm in the field is always of utmost importance. To do so, we recommend the use of the following products from our sister companies at Michaels of Oregon Co.

Uncle Mike's® Quick Detachable Sling Swivels — The undisputed best swivel in the industry. Available in several models and styles, Uncle Mike's® QD® Super Swivels provide a safe, secure connection between your sling and your firearm, without scratching or marring.



Butler Creek® Slings — The leader in neoprene slings offers the widest variety of top-quality slings for your rifle or shotgun. Adds comfort and safety in the field.



HOPPE'S®



**THE GUNCARE PEOPLE
SINCE 1903**

From all of us at Hoppe's, the best of shooting in the field or on the range.

You're one of millions of sportsmen who know the exhilaration of being in the outdoors or in a real competition with marksmen who often seem superhuman in their abilities.

For over 100 years, we've been right there alongside you. Our laboratory extends from the woods of Pennsylvania to the plains of Nebraska. From the deserts of Nevada to the swamps of Louisiana. From the mountains of Idaho to the lakes of Minnesota.

No matter where you live, hunt or shoot, you'll find an exquisite beauty in your surroundings. We hope you'll continue to enjoy it for many years to come, and to treat it responsibly so we can all pass it on to generations to come.

We always welcome your questions as well as your suggestions on how we can do a better job for you. That's how we became **The Gun Care People** — by listening and learning.