

# **WARNINGS - MUZZLELOADERS**

Hodgdon® provides Blackhorn 209®, Triple Seven® and Pyrodex® products (as loose or Preformed Charges) as an alternative to black powder for the muzzleloader. For these products, failure to follow warnings and instructions for use, or misuse of this product in any way, may cause personal injury or death to the user or bystander, as well as damage to the firearm and other property. Use these products only in strict accordance with loading instructions provided.

**IMPORTANT PRODUCT INFORMATION: Please follow all instructions and safety guidelines for each product listed below.**

## **Blackhorn 209®**

Blackhorn 209® is a very consistent and reliable muzzleloading propellant that is unmatched in quality and accuracy. Blackhorn 209® is loaded volumetrically – just like black powder and black powder substitutes. For loads above 120 grains volumetrically, check with your gun manufacturer before using Blackhorn 209®. With its unique formulation, Blackhorn 209® requires standard 209 shotshell primers and a properly functioning ignition chamber. Ignition issues can occur if one or more of the following conditions exist:

- Breech plug is non-compatible, poorly designed, dirty or fouled
- Incorrect or poorly fitted primer
- Loose bullet with an inadequate seal or compression

Blackhorn 209® is designed to be free of solid, sticky residues. After use, the barrel can be cleaned with a standard oil-based solvent; water should not be used with Blackhorn 209®.

## **Pyrodex®, White Hots® and Triple Seven® Pellets**

Do not take Pellets or Preformed Charges internally. Do not contaminate Pellets or Preformed Charges with dirt or moisture. Keep Pellets and Preformed Charges in original, closed box until used. Do not place Pellets or Preformed Charges loose in clothing. Be sure box is closed while shooting. Only store Pellets or Preformed Charges in original container.

Pellets and Preformed Charges are intended to be used in place of granular powder. Do not combine Pellets or Preformed Charges with loose powder. Do not combine Pellets or Preformed Charges of different caliber sizes. Do not ignite Pellet or Preformed Charge in hand or outside of firearm. Do not break, cut or modify Pellet or Preformed Charge by any means.

Triple Seven® FireStar®, Triple Seven®, Pyrodex® Pellets and White Hots® Preformed Charges are designed for use only in newly manufactured muzzleloading 50-caliber in-line rifles. Triple Seven® and Pyrodex® Pellets are also available for 45-caliber.

Triple Seven® FireStar®, Triple Seven®, Pyrodex® Pellets and White Hots® are designed to be used in 209 primer ignition systems only. Pyrodex® granular products may be used with standard cap, musket cap or 209 primer ignition systems. Use only the correct caliber Pellet or Preformed Charge designated for the given caliber rifle. Pellets and Preformed charges are designed to be used with sabot bullets or conicals together with a fiber wad. You should not use Pellets and Preformed Charges in any other manner except as stated herein.

Triple Seven® FireStar®, Triple Seven® Pellets and White Hots® Preformed Charges are not for use in cartridges, or with patched round ball. Pyrodex® Pistol Pellets are designed and intended for use only in newly manufactured modern replica 44 and 45 caliber cap and ball revolvers. They may also be used in 45 caliber in-line rifles. You should not use Pyrodex® Pistol Pellet in any other manner except as stated herein.

Each Pyrodex® Pellet contains a black ignitor end; place the black ignitor end of the Pellet into the barrel first. No such orientation is necessary for Triple Seven® Pellets and White Hots® Preformed Charges.

Use of Triple Seven® FireStar®, Triple Seven® Pellets, Pyrodex® Pellets, or White Hots® Preformed Charges in sidelock muzzleloading rifles, flintlock muzzleloading rifles, with a patched round ball or the use of conical lead bullets without a fiber wad is NOT recommended and should not be performed. Due to variations in size and type of flash channels, bore diameters and conical bullet sizes, an improper gas seal of the projectile or a hangfire (a delayed ignition of the propellant) may occur. These conditions could cause the projectile or a burning Pellet to exit the barrel in a hazardous manner, which could cause personal injury or death to the user or bystander, as well as damage to the firearm.

NEVER load and fire a Pellet or Preformed Charge without a projectile in the barrel, seated on the Pellet or Preformed Charge. To do so may cause a burning Pellet or Preformed Charge to exit the barrel causing personal injury or property damage to the user or bystander.

When loading any projectile, be certain the projectile fits the bore correctly and forms a proper gas seal. Make sure the projectile is seated firmly on top of the propellant. Failure to do so may result in decreased performance and poor accuracy. Failure to follow these instructions could also increase the risk of a burning Pellet or Preformed Charge particle exiting the barrel which may cause personal injury or property damage to the user or bystander.

**NEVER EXCEED THE LOADS LISTED IN THIS INFORMATION OR ON THE PACKAGING LABEL FOR ANY PELLETS AND PREFORMED CHARGES.**

#### **DISCLAIMER: Maximum Loads**

Some manufacturers may recommend the use of Pellets and Preformed Charges in their rifles and pistols that exceeds the number shown by Hodgdon® and IMR. Hodgdon® and IMR specifically disclaims any and all liability arising out of the use of any data that exceeds our data, and the user assumes all risk in doing so. If there is a question concerning the firearm maximum load, please contact the firearm manufacturer for guidance. The maximum load per shot should never exceed:

|                           |                          |
|---------------------------|--------------------------|
| IMR White Hots®           | Maximum Two (2) Pellets  |
| Triple Seven® FireStar®   | Maximum Five (5) Pellets |
| Triple Seven® Magnums     | Maximum Two (2) Pellets  |
| Triple Seven® Pellets     | Maximum Two (2) Pellets  |
| Pyrodex® Pellets (Rifle)  | Maximum Two (2) Pellets  |
| Pyrodex® Pellets (Pistol) | Maximum One (1) Pellet   |

Data provided by Hodgdon® Powder Company that exceeds two (2) Pellets or Preformed Charges show here or elsewhere was tested in firearms that were specially designed for such usage by the manufacturer.

## **LOAD INSTRUCTIONS:**

Before loading, place gun on safety as per firearm manufacturer's instructions. Be certain the firearm is unloaded and that the barrel and flash channel are clean, dry and free of oil or lubricant.

Place muzzle away from body and insert the correct number of Pellets or Preformed Charges into the gun muzzle. Do not pound on ramrod or seat projectile with excessive force so as to crush Pellets or Preformed Charges. However, be certain that no air space exists between the projectile and Pellet. If an air space exists, the projectile becomes an obstruction in the barrel, which upon firing the gun, may cause personal injury or death to the user or bystander as well as damage to the firearm.

Failure to load muzzleloading firearms in strict accordance with these instructions may cause personal injury or death to the user or bystander, as well as damage to the firearm.

### **Triple Seven<sup>®</sup> and Pyrodex<sup>®</sup> Granular Powders**

Triple Seven<sup>®</sup> is a high-energy powder designed to provide the muzzleloading hunter serious knockdown power. Triple Seven<sup>®</sup> is loaded by volume – not by weight. To duplicate a black powder load velocity using Triple Seven<sup>®</sup>, set the volumetric charge 15% lower than the black powder load being used.

Pyrodex<sup>®</sup> weighs approximately 70% as much as black powder. Because Pyrodex<sup>®</sup> yields more energy per pound than black powder, the same volume of Pyrodex<sup>®</sup> gives similar performance to black powder. All Pyrodex<sup>®</sup> loads shown are measured by volume and not weight unless otherwise noted.

Cartridge data with Triple Seven<sup>®</sup> was specifically developed with FFG only. Cartridge loads should be used exactly as listed. Allow no airspace between the base of the bullet and powder. Do not compress powder charges. The use of filler wads, inert fillers or compression may cause a dangerous situation which could result in injury or death to the shooter or bystanders, or subsequent property damage.

Do not create loads for cartridges not listed. Contact Hodgdon<sup>®</sup> Powder Company for additional recommendations and load data.