The Only White Gun Powder

IMR WhiteHots®

MATERIAL SAFETY DATA SHEET

April 2009

The following IMR brand Muzzleloading Propellant
is manufactured and distributed by Hodgdon Powder Company.

White Hots ®

6231 Robinson Street * Shawnee Mission, KS 66202 * Phone (913) 362-9455 * Fax (913-362-1307
www.Hodgdon.com * www.IMRpowder.com * www.WWpowder.com

WhiteHots®

Material Safety Data Sheet
May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY *(as Used on Label and List)*
White Hots®, a pyrotechnic mixture

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name: Hodgdon Powder Company, Inc.	Emergency Telephone Number: **Chem-Tel (800) 255-3924**
Address *(Number, Street, City, State and ZIP Code)*	Telephone Number for Information: **(913) 362-9455**
6231 Robinson	Date Prepared: **03/16/2009**
Shawnee Mission, KS 66202, USA	Signature of Preparer *(optional)* **Mark Wendt**

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Potassium Nitrate	N/A	N/A	N/A	
Potassium Perchlorate	N/A	N/A	N/A	

Other: Other ingredients are trade secrets, but can be disclosed per 29CFR 1910.122(i).

Section III—Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H_20 = 1)	Bulk density is 0.87 [g/cc]
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	n/A

Solubility in Water: Partially

Appearance and Odor: White granular solid. Slight odor when ignited.

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used): 750^F	Flammable Limits: N/A	LEL: N/A	UEL: N/A

Extinguishing Media: For unattended fire prevention, water can be used to disburse burning White Hots®. White Hots® has its own oxygen supply, so flame smothering techniques are ineffective. Water may be used on unburnt White Hots® to retard further spread of fire.

Special Fire Fighting Procedures: White Hot is extremely flammable and may deflagrate. Get away and evacuate the area.

Unusual Fire and Explosion Hazards: As with any pyrotechnic, if under confinement or piled in moderate quantities, White Hots® can explode. Toxic fumes are emitted while burning.

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid: Avoid storage at temperatures above 150^F
	Stable	XX	impact, embers, sparks and static discharges.

Incompatibility *(Materials to Avoid)*: Metal powders and acids

Hazardous Decomposition or Byproducts: CO, CO^2, non-metallic oxides and suspended particulate matter from burning.

Hazardous Polymerization	May Occur		Conditions to Avoid: Not known to occur
	Will Not Occur	XX	

Section VI—Health Hazard Data

Route(s) of Entry: XX Inhalation: Yes Skin: Yes Ingestion?: Yes

Health Hazards *(Acute and Chronic)*

TLV unknown for ingestion of dust. Acute oral LD^{50} in rats is calculated to be 4.0 [g/kg body weight]

Carcinogenicity: No NTP?: No IARC Monographs?: No OSHA Regulated?:: No

Signs and Symptoms of Exposure: Burning or itching of the eyes, nose or skin; shortness of breath.

Medical Conditions
Generally Aggravated by Exposure

Some persons may be unusually sensitive to the product.

Emergency and First Aid Procedures: Remove patient from exposure, and if skin contact, wash affected area with copious amounts of water.

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Do not smoke in area. Powder should be scooped or swept up using non-sparking, conductive tools. This should be done in a manner that no dusting occurs.

Waste Disposal Method: Wet thoroughly with water to dissolve the powder. Comply with all federal, state and local laws.

Precautions to Be Taken in Handling and Storing: White Hots® is a solid propellant that is designed to propel a mass. Thus appropriate care should be taken to avoid heavy confinement and ignition sources such as, but not limited to, heat, static discharge, embers, friction and impact. Do not drop containers of powder. Store at temperatures of less than 150^F in approved magazines.

Other Precautions: In the area of use, avoid all possible sources of ignition and use explosion-proof electrical equipment suitable for use with explosive dusts.

Section VIII—Control Measures

Respiratory Protection *(Specify Type)*: Disposable NIOSH approved dust masks may be used, if desired

Ventilation	Local Exhaust: If used, should be equipped with well maintained, continuously active water washing system	Special: N/A
	Mechanical *(General)*: Use NEMA Class II, Division 1, Groups F&G motors or better	Other: N/A

Protective Gloves: May use if sensitivity of skin occurs. Eye Protection: Use goggles if sensitivity occurs.

Other Protective Clothing or Equipment: 100% cotton clothing and grounded work station are recommended to minimize static electricity.

Work/Hygienic Practices: Work with small quantities, keeping main supply in closed container. Shower after exposure and wash clothing daily.