

# Hazardous Material Transportation Tips: NA0027 Black Powder for Small Arms NA3178 Smokeless Powder for Small Arms



- Black powder for small arms begins life as a Division 1.1 explosive. Smokeless powder for small arms begins life as a Division 1.3 Explosive.
- YRC Freight is not authorized to transport Divisions 1.1 and 1.3 Explosives in any amount.
- When packaged according to safety restraints, manufacturers may re-classify NA0027 and NA3178 to 4.1 Flammable Solid.
- YRC Freight is allowed to transport NA0027 and/or NA3178 classified as 4.1 Flammable Solid under certain transportation restrictions.
- These restrictions limit the total quantity of black powder and/or smokeless powder to 100 pounds net mass per trailer.
- Recent regulatory changes now allow 100 pounds per transport vehicle (meaning per trailer) instead of past requirements of 100 pounds per motor vehicle (limiting to 1 trailer if pulling combination trailers). Each trailer is a separate transport vehicle.
- The restriction is specified by weight and not number of shipments.
- YRC Freight may NOT transport more than 100 pounds net mass explosive of NA0027 and/or NA3178 at a time.
- If more than 100 pounds is transported, the classification reverts to 1.1 or 1.3.
- Facilities who handle these commodities must be aware of and observe this limitation.

### DO NOT HAUL MATRIX

<b>A</b> No placarded amounts <b>B</b> No package >1L (1.06qt) <b>C</b> No Highway Route Control (HRC) <b>D</b> NA0027, Black powder for small arms, is restricted to 100 pounds aggregate net mass in one trailer. NA 3178, Smokeless powder for small arms, is restricted to 100 pounds aggregate net mass in one trailer.	<b>E</b> Not in Mexico <b>F</b> Exclusive use trailers only (i.e. sealed trailers) <b>G</b> Not in Bulk Packages <b>H</b> Request Safety Approval * *Chemical Helpline 800-395-5448 Option 2 <b>I</b> Request New Penn Safety Approval <b>J</b> Not in Atlantic Canada Provinces (NB,NS,PE,NL) <b>K</b> Not to/from/within the state of Connecticut <b>X</b> Do Not Haul																																																																																																																																																																		
NOTE: The absence of any hazard class or division or a blank space in the table indicates that no restrictions apply.																																																																																																																																																																			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Holland</th> <th>New Penn</th> <th>Reddaway</th> <th>Reimer</th> <th>YRC Freight</th> </tr> </thead> <tbody> <tr><td>1.1 Explosives</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>1.2 Explosives</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>1.3 Explosives</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>1.6 Explosives</td><td>X</td><td>A</td><td>A</td><td>A</td><td>A</td></tr> <tr><td>2.3 Poison Gas Zone A</td><td>X</td><td>B</td><td>X</td><td>B,H</td><td>B,H</td></tr> <tr><td>2.3 Poison Gas Zone B</td><td>G</td><td>G</td><td>G</td><td>G</td><td>G</td></tr> <tr><td>2.3 Poison Gas Zone C</td><td>E</td><td></td><td>E</td><td></td><td></td></tr> <tr><td>2.3 Poison Gas Zone D</td><td>E</td><td></td><td>E</td><td></td><td></td></tr> <tr><td>4.1 Nitrocellulose UN2555</td><td>X</td><td>X</td><td>X</td><td>X</td><td>H</td></tr> <tr><td>4.1 Nitrocellulose UN2556</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>4.1 Nitrocellulose UN2557</td><td>X</td><td>X</td><td>X</td><td>X</td><td>H</td></tr> <tr><td>4.1 Nitrocellulose UN3270</td><td>X</td><td></td><td></td><td>X</td><td>H</td></tr> <tr><td>4.1 Black Powder NA0027</td><td>D</td><td>D</td><td>D</td><td>X</td><td>D</td></tr> <tr><td>4.1 Smokeless Powder NA3178</td><td>D</td><td>D</td><td>D</td><td>X</td><td>D</td></tr> <tr><td>6.1 Poison Zone A</td><td>X</td><td>B</td><td>X</td><td>H</td><td>H</td></tr> <tr><td>6.1 Poison Zone B</td><td>G</td><td>G</td><td>G</td><td>G</td><td>G</td></tr> <tr><td>6.2 Infectious Substances</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>7 Radioactive White I</td><td>X</td><td>K</td><td>X</td><td>J</td><td>J</td></tr> <tr><td>7 Radioactive Yellow II</td><td>X</td><td>K</td><td>X</td><td>C, J</td><td>C, J</td></tr> <tr><td>7 Radioactive Yellow III</td><td>X</td><td>X</td><td>X</td><td>C,J</td><td>C,J</td></tr> <tr><td>9 Asbestos NA2212</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>9 PCBs</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>Hazardous Waste</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>Carbon Black</td><td>X</td><td>X</td><td>X</td><td>F</td><td>F</td></tr> <tr><td>Non-hazardous and e-Waste</td><td>X</td><td>I</td><td>X</td><td>X</td><td>X</td></tr> <tr><td>Universal Waste</td><td>X</td><td>I</td><td>X</td><td>H</td><td>H</td></tr> </tbody> </table>		Holland	New Penn	Reddaway	Reimer	YRC Freight	1.1 Explosives	X	X	X	X	X	1.2 Explosives	X	X	X	X	X	1.3 Explosives	X	X	X	X	X	1.6 Explosives	X	A	A	A	A	2.3 Poison Gas Zone A	X	B	X	B,H	B,H	2.3 Poison Gas Zone B	G	G	G	G	G	2.3 Poison Gas Zone C	E		E			2.3 Poison Gas Zone D	E		E			4.1 Nitrocellulose UN2555	X	X	X	X	H	4.1 Nitrocellulose UN2556	X	X	X	X	X	4.1 Nitrocellulose UN2557	X	X	X	X	H	4.1 Nitrocellulose UN3270	X			X	H	4.1 Black Powder NA0027	D	D	D	X	D	4.1 Smokeless Powder NA3178	D	D	D	X	D	6.1 Poison Zone A	X	B	X	H	H	6.1 Poison Zone B	G	G	G	G	G	6.2 Infectious Substances	X	X	X	X	X	7 Radioactive White I	X	K	X	J	J	7 Radioactive Yellow II	X	K	X	C, J	C, J	7 Radioactive Yellow III	X	X	X	C,J	C,J	9 Asbestos NA2212	X	X	X	X	X	9 PCBs	X	X	X	X	X	Hazardous Waste	X	X	X	X	X	Carbon Black	X	X	X	F	F	Non-hazardous and e-Waste	X	I	X	X	X	Universal Waste	X	I	X	H	H
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HM-11

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Quantity	H/M	Packaging	Description of Articles, Special Marks, and Exceptions	Weight (Pounds)
2	X	Boxes	NA0027, Black powder for small arms, 4.1, I	50
2	X	Boxes	NA3178, Smokeless powder for small arms (100 pounds or less), 4.1, I	50

If you have a question, call the Chemical Helpline at 1-800-395-5446, Option 2.