

Russia Chemical Stockpile: Alleged Undeclared “Novichok” Capabilities

Last update: April 2014

Chemical Weapon Agent	Types	Quantity (Tons)	Status
<i>Substance 33</i>	Unitary nerve agent, Novichok precursor	15,000	Declared as VX
<i>A-230</i>	Unitary nerve agent, Novichok precursor	Tens of tons	Weaponized
<i>A-232</i>	Unitary nerve agent, Novichok precursor	A few tons	Not approved
<i>Novichok-5</i>	Binary Nerve Agent (based on A-232)	A few tons	Approved
<i>Novichok-?</i> (No established name)	Binary nerve agent (based on Substance 33)	Tens of tons	Weaponized
<i>Novichok-7</i>	Binary nerve agent	Tens of tons	Tested

Source:

Dr. Vil S. Mirzayanov, “Dismantling the Soviet/Russian Chemical Weapons Complex: An Insider’s View,” in Amy E. Smithson, Dr. Vil S. Mirzayanov, Gen Roland Lajoie, and Michael Krepon, *Chemical Weapons Disarmament in Russia: Problems and Prospects*, Stimson Report No. 17, October 1995, p. 25.

Related content is available on the website for the Nuclear Threat Initiative, www.nti.org.



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