

NDIA 2017 Armament Systems Forum & Firing Demonstration

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RUAG Ammotec

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Together
ahead. **RUAG**

Overview

mercury-free

non-toxic

Forensic
chemistry

since 2003



- Non-toxic
- Detection of smoke residues
- Determination of shooting distances

since 1980



- First non-toxic primer worldwide
- Corrosion - and erosion free
- High storage life
- High reliability
- NATO-qualified

since 1928



- Corrosion- and erosion-free
- High storage life
- High reliability
- No mercury
- NATO-qualified

History



Sintox

Lead- and Heavymetal-free

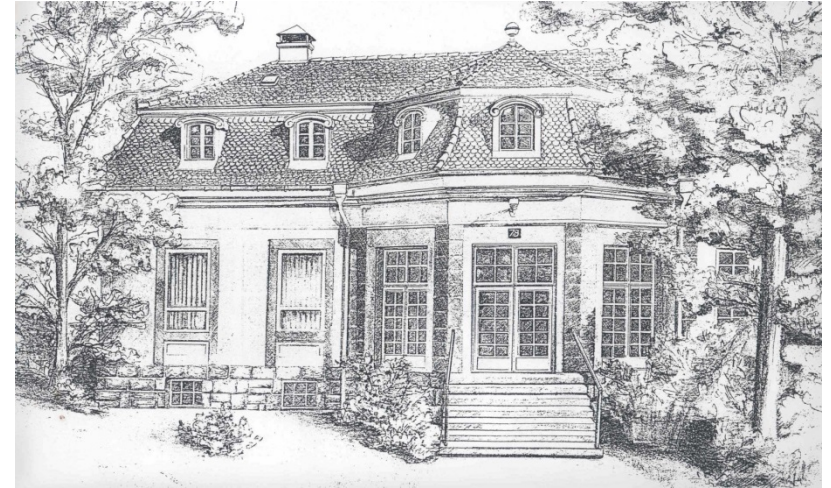
Basis: Diazole / tetracene / zinc peroxide

Lead content \ll 0.1 weight %

In production since 1980

Annual production

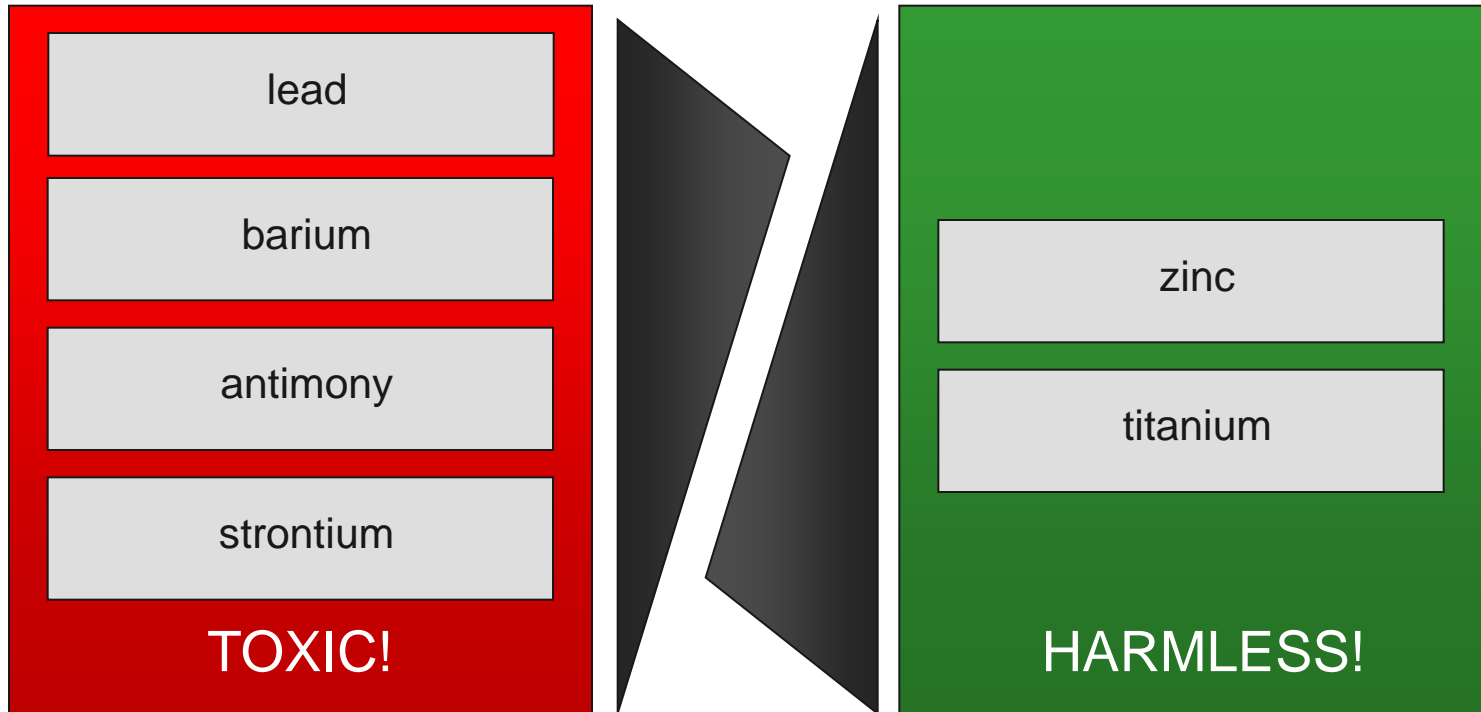
approx. 600.000.000 primer caps



RUAG Chemical laboratory since 1917



Toxicology



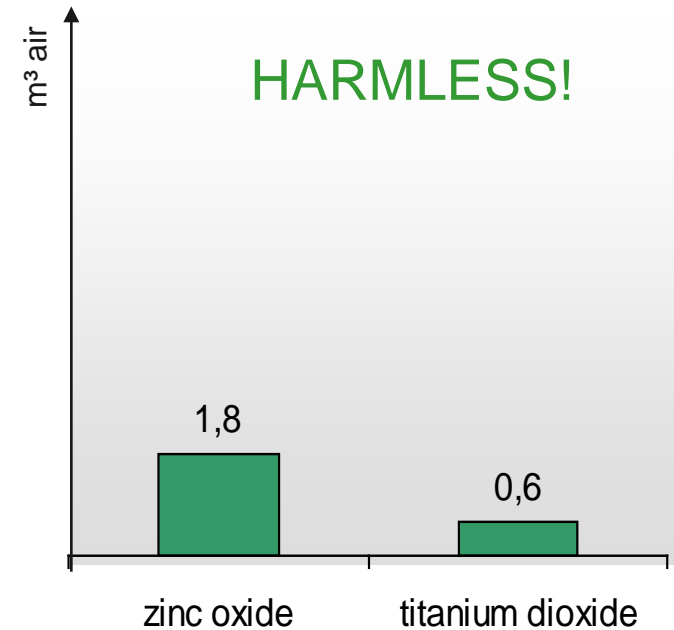
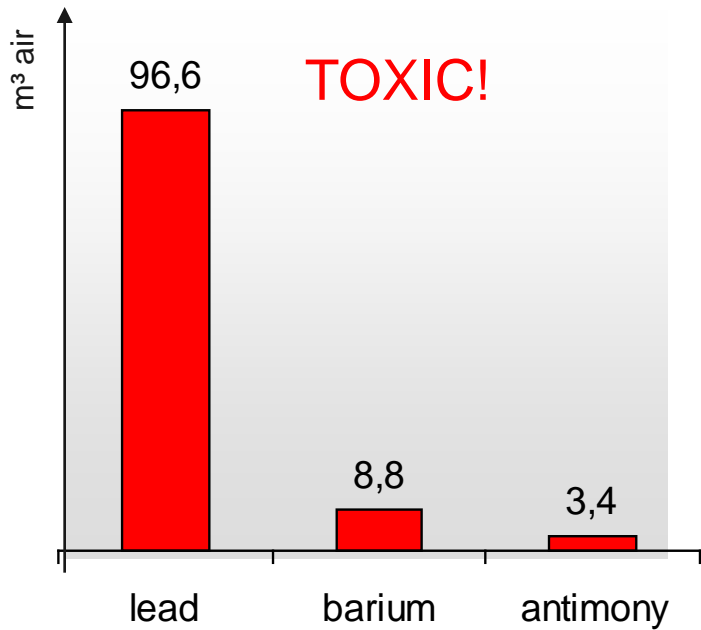
conventional
cartridge

SINTOX® -
cartridge

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Toxicology

Air volume per shot, having to be replaced when using a conventional cartridge and a cartridge with SINTOX[®]-technology



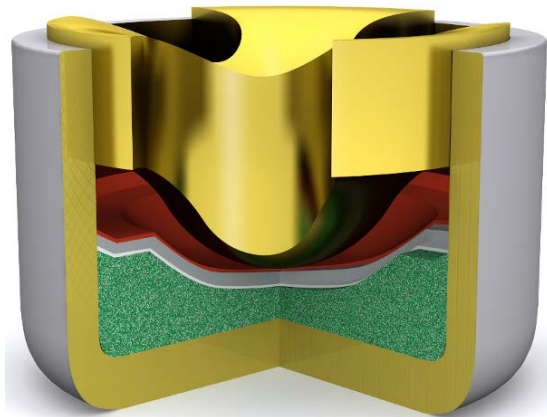
conventional
FMJ-cartridge

9mm x 19

encapsulated
SINTOX[®] -
FMJ cartridge

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Function



NATO qualified
ammunition:
9 mm x 19
5.56 mm x 45
7,62 mm x 51
Also available for
12,7 mm x 99



0,13 ms



0,27 ms



0,4 ms



0,53 ms

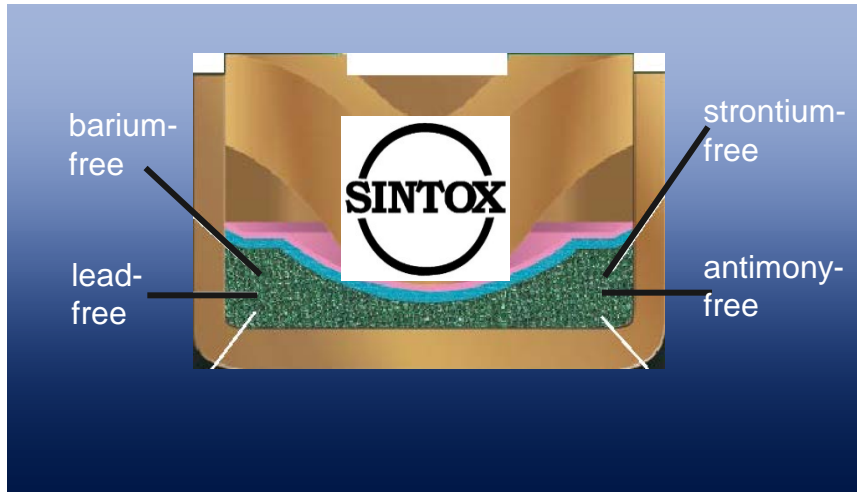


0,79 ms

Summary

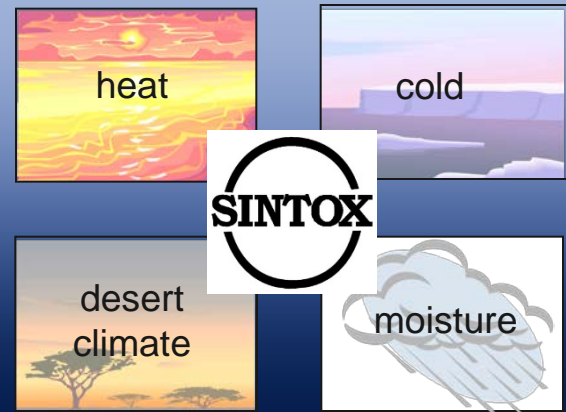


toxicologically
harmless:



NATO-qualified

100% non-toxic!



NATO-qualified

100% reliable!