



Updated: 16-Feb-2001

NATO Information

Precautions to observe in case of ritrovamenti of project containing them uranio impoverito or of eventual fragments of they

Released on 16
february 2001

Technical-scientific commission for the Italian contribution to the eventual monitoring of the pollution radioactive chemical-physicist and in the Countries of the Balkan area

The NATO has communicated to have employed in Kosovo approximately 31.000 projects them for anti-armored A-10 airplane; sayings project them from 30 milimeter are fortified of constituted penetratore give approximately 300 g of uranio impoverito.

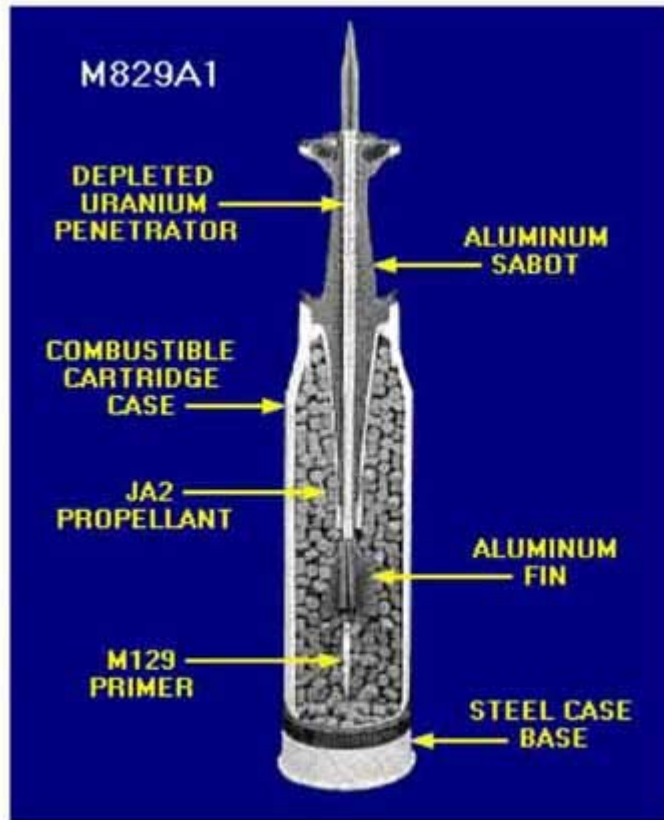
1. Risks deriving from the uranio impoverito, or depleto (UD)
 - The UD introduces one weak person external irradiation; the intensity of dose to contact of projects them or of fragments of they he is valued in approximately 0,5-2 mSv in an hour: for an immediate comparison, the limit of dose, European and Italian, for the limbs and the skin is of 50 mSv in a year for an individual of the population; in the case in which the intensity of dose it is 2 mSv/h would be necessary therefore to hold to contact in order at least 25 hours projects them or the fragment in order to catch up such limit of dose.
 - The UD is radioactive and toxic and therefore chemically dangerous above all for inhalation and ingestion of particolato (powder nerastra) deriving, as an example, from the collision of it projects them with armored or an other resistant surface.
2. Milimeter is recommended not to collect projects them (is looked at a photographic image of a typical one projects them from 30; for greater clarity also the section of other is brought back projects them in equipment to tanks) or fragments of they, signaling of the presence to the nearer Armed Forces.
3. Where he is indispensable to collect projects them in order to prevent that individuals of the local population, as an example children, come in contact with the UD in they content, such it projects them or fragments:

- they do not have to be held to contact of the fingers for times extends to you;
 - they must be collected making use of pliers or protegendo the hands with gloves or other woven material in or, preferibilmente, plastic, to the aim to avoid risks of transcutaneous introduction, species in case of wounds, let alone of contamination of the skin or the indumenti, above all in case of obvious state of oxidation or corrosion;
 - they do not have as an example to be held in pocket or other container (, zaini), in proximity of the body;
 - they possibly must be inserted in a covering - filled up of sand or earth, not to collect with the hands - of metal or otherwise in multiple plastic envelope, assuring the estate of the covering, as an example, with adhesive tape.
4. To avoid the pause in zones in which they are present military means or others objects to you (, bunker or antiaircraft emplacements) destroyed as an example or damages to you.
 5. In order to diminish risks to inalare or to ingest particolato of UD during the operations of eventual collection of it projects them or of fragments of they or during the pause in proximity of military means or others it objects to you (, bunker or antiaircraft emplacements) destroyed as an example or damages to you:
 - to avoid to raise powder;
 - protect the first respiratory ways (mouth and nose) with mask or, to the limit, with whichever woven (as an example handkerchief), better if preventively inumidito;
 - not to eat, not drink, not to smoke;
 - to accurately wash the hands to the term of the operation of location, involving contact, of projects them or of fragments of they.
 6. To deliver projects them or fragments to the Armed Forces, united to all the materials uses you for the recovery, indicating the locality of ritrovamento in possibile the more exact way.
 7. The confirmation that the eventual ones projects them or fragments of uranio impoverito can be obtained single in laboratory or through a portable radiometric instrument, for comparison with the bottom it acclimatizes them in areas interested from uranio not impoverito. They do not go therefore carries out to you tried you of extemporaneous surveyings.

8. In the cases in which they have been contacts with project them or fragments of project them, in order to assess if impoverito incorporation of uranio has happened is carried out the determination of the uranio in the urine excretes in the arc of 24 hours. Where such extended collection present difficulties, can be used the analysis ' spot' of the urine, that it consists in the collection and successive measurement of urines escrete between the previous moment the nocturnal rest and the first micturition of the mattino. For the collection a container cleaned up, washing the hands before carrying out the micturition is sufficient.
9. The urine champions go deposit in suitable containers to deliver to staff NBC of the military contingent Italian present to you in Kossovo, with the ends of identification of the person, of the age of suspect incorporation, of the date of collection of urines and the relative duration (24 hours or ' spot').



Esemplare di munizione in dotazione a carri armati



DEPLETED URANIUM PENETRATOR=Penetratore ad Uranio impoverito

