

DECONTAMINATION AGENTS

NATO STOCK NUMBER: TO CONSULT



DESCRIPTION

Hispano Vema decontaminants / detoxifying agents allow to perform the appropriate decontamination processes for each type of threat, attack or CBRN incident. The effectiveness of decontamination agents in combination with decontamination equipment are key to ensure optimal decontamination in each type of situation, Whether in the face of a Biological, Chemical or Radiological threat, and in the decontamination of people, vehicles, materials, land or sensitive material.

Decontamination Agents have been developed following STANAG regulations for Decontamination Agents

- STANAG 4653 Combined Operational Characteristics, Technical specifications, Test Procedures and Evaluation Criteria for Chemical, Biological, Radiological and Nuclear Decontamination Equipment.
- STANAG 4521 AEP7, Nuclear, Biological, Chemical (NBC) Defence factors in the design, testing and acceptance of military equipment.
- STANAG 4370, AECTP 200, Environmental Testing, Environmental Conditions

Decontamination Agents	NSN	Decontamination type	Application	Format	Package	Useful life*
LD11	6850-33-2106045	Biological/Chemical	Personnel	Liquid	5 litres	5 years
RD20	6850-33-2053646	Biological/Chemical	Vehicles, material and field	Powder	25 kg	12 years
RD30	6850-33-2106046	Biological/Chemical	Vehicles, material and field	Liquid	20 litres	5 years
RD40		Radiological	Vehicles, material and field	Liquid	20 litres	5 years
RD50		Chemical	Sensitive Material	Spray	400 ml	5 years
RDL30 (Training)	6850-33-2142498	Biological/Chemical	Vehicles, material and field	Liquid	20 litres	5 years

*In optimal storage conditions

Efficiency on Radiological, Biological and Chemical Decontamination is certified by efficiency test reports conducted on Laboratory and Field Conditions. Validation tests are done according to NATO STANAG 4653/AEP-58 "Combined Operations Characteristics, Technical Specification and Test Procedures and Evaluation Criteria for NBC Decontamination Equipment" and STANAG 2352/ATP-84 "Chemical, Biological, Radiological and Nuclear (CBRN) Defence equipment-Operational Guidelines".

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OPERATIONAL PROCESS

The effectiveness of a decontamination process is based on the optimal functioning of three key elements:

- Interveners
- Decontamination Agents
- Decontamination Equipment

We must ensure the correct operation and interaction of these three parameters: to count on the interveners with the proper apprenticeship and training, as well as the decontamination equipment and the decontamination agents must be appropriate to carry out the decontamination process for each threat, attack Or Chemical, Biological or Radiological incident, applying the appropriate decontamination protocol for persons, materials, vehicles, land, interiors of buildings or sensitive material.

Storage, Handling and Transport of Decontamination Agents are a fundamental point to ensure effective decontamination, climatic and environmental variations, especially humidity and temperature, can affect the agents' decontaminating effectiveness. Therefore, precautions must be taken to ensure proper transportation and storage, as indicated in the STANAG 4370, AECTP 200, Environmental Testing, Environmental Conditions.

EFFECTIVENESS



KEY ELEMENTS TO EFFECTIVE DECONTAMINATION

- Multiscope agent
 - Biological & Chemical Agents could be detoxified
 - Radiological agents should be captured
- Skin care for people
 - Different sheet materials
 - Wide range of ground surfaces
 - Unpredictable devices affected
 - Functionality protection for sensitive devices