Effective Decontamination Operations Completed Utilizing NATO Military Equipment

For over 40 years, Cristanini S.p.A. products have been effectively neutralizing chemical and biological threats and decontaminating radiological threats in over 60 countries worldwide.

Neutralization of Mustard Gas Shells and Disposal in Baltic Sea using BX24 Neutralization Powder

With a 10 year shelf life, BX24 can be employed directly as a powder or with water to neutralize chemical and biological agents with oxidation and hydrolyzation actions.

- BX24 can be applied on rubber seals, certain plastics and plexiglas making it well suited for equipment, vehicles, aircraft and mass transit decontamination.
- BX24 is biodegradable in both soil and ambient water systems.
- BX24 is a single powder ready for use which can be deployed through single dispersion in water at a concentration of 10-15% without the use of additives or solvents.
- BX24 has a wide operating temperature range -32°C (-26°F) to +55°C (131°F) (STANAG 4370).
- BX24 enables decontamination of radiologicals due to its polarity effects.

2014 Aircraft Decontamination in Brazil after transporting Ebola Infected Patient

On October 10th 2014 at the Rio de Janeiro Galeão Airport, the Brazilian Chemical, Biological, Radiological and Nuclear Battalion carried out the 1st internal and external decontamination of an aircraft after transporting a suspected Ebola virus patient.

Cristanini S.p.A. Decontamination equipment used:

- Exterior: Sanijet C.921 and Sanijetgun with the neutralization agent, BX24. BX24 is a suspension which provides effective disinfection even in the most difficult conditions and on vertical or undercut surfaces where it forms a light and persistent colloidal layer. In the colloidal layer the creation of active chlorine occurs gradually as the former is used up in the neutralization reactions of the weapon substance. The substance which donates the chlorine is, in fact, in thermo-dynamic balance with the chlorine itself and the trionic acid.
- Interior Volume: LDV-X utilizing H₂O₂ with strong oxidation power activated by heterogeneous catalyst and UV reaction.
- Sensitive Surfaces, such as cockpit electronics: SX34 aerosol and vacuum system. SX34 is an aerosol spray which starts with a liquid phase to permit partial mobilization of the contaminant toxic agent on the surface which is then adsorbed by the solid system. The contaminant toxic agent compound diffuses into the porous solid system of the SX34 where it becomes trapped. The contamination can then be vacuumed off the sensitive surface using SX34 vacuum system and neutralized with BX24.

ITL Solutions is a Service Disabled Veteran Owned Small Business with over 40 years of Federal Procurement experience providing mission critical equipment for today’s requirements and tomorrow’s unknowns.