

Hygenall[®] **ToxOff[™]** Laundry & PPE Decon Detergent

FULL-SPECTRUM DECON[™] METALS + PLASTICS + SOOT + GREASE + GERMS + CHEMICALS

SUPPLEMENTAL INSTRUCTIONS

General Laundry and Light Maintenance for Turnout Gear & PPE Detergent Recommendation:

- 20-30 lbs - 2 Ounces
- 30-40 lbs - 3 Ounces
- 40-60 lbs - 5 Ounces

Note: Some experimentation may be required to finalize average quantities for desired cleaning. Add additional 2 ounces to each load recommendation for moderately contaminated gear.

Heavily Contaminated Gear Recommendation:

Pre-Soak using a mixture of 50/50 Water and Detergent for 15 minutes. After soaking, use a bristled brush to gently work the cleaning solution into the fabric until the contaminants are released into the solution. Avoid over scrubbing, or using a hard bristle brush to prevent removal of protective coatings. When finished, launder gear as normal.

Washing Instructions

For regular Laundry: Separate colored clothing articles from white's and wash separately. Wash colored articles with cold or warm water, and whites with hot water. Dry clothing in a dryer, following drying instructions on the clothing tag, or in the corresponding military instruction manual (see MIL-D-43362).

Turnout Gear and PPE: Separate liners from shell, and wash separately. Load gear into washer, observing manufacturer limitations on weight. Set water temperature to 95°F (do not exceed garment manufacturers recommended washing temperature). Follow the above detergent recommendations, and pre-soak if necessary. Fill machine to full capacity with water. Wash for 10 to 15 minutes, followed by three rinse cycles. If rinse cycles are not programmable, run the wash again three times without detergent. Rinsing is very important to remove contaminants.

Important: follow all washing machine or extractor instructions and warnings.

Firefighter and other Emergency PPE: Read Turnout Gear & PPE manufacturer maintenance and cleaning instructions, as well as NFPA 1851 Standard On Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting. Wear protective eye wear, gloves, and for heavily contaminated equipment, wear an N95 rated face mask while handling gear.



Size	Part-Number	Units per Case
1 Gallon	HTL12001G	4- Units Per Case
5 Gallon	HTL12005G	1- Unit Per Case
55 Gal Drum	HTL120055G	1- Unit Per Case
275 Gal Tote	HTL1200275G	1- Unit Per Case



HTL120COMM REV. 20167A

NFPA 1851 COMPLIANT and meets MILSPEC MIL-D-43362 for military laundry decon and cleaning.

Following proper turnout gear and PPE maintenance with Hygenall ToxOff Laundry Detergent helps prolong equipment life and may help reduce exposure to dangerous cancer causing carcinogens.

* Does not contain Citric Based cleaners such as D-limonene - will not harm uniforms or PPE hardware or damage plastic components after long-term continuous usage.

* Adjusted pH prolongs the life of expensive specialized coatings.

* Safe for use in front-loading extractors, and other wash systems.

* **Full-Spectrum[™] Decon** Cleans off more than hydrocarbons and soot, also cleans off grease, oil, cancer causing metal oxides, plastics, chemicals and other toxins.

* Does not contain fragrance, optical brighteners and whiteners or bleach, and is based on a formulation authorized for military uniforms by the Defense Logistics Agency (DLA).

* Used by all branches of the U.S. Military and world-wide by firefighters, industry, healthcare, aerospace, and law enforcement.



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