

How to deal with contamination

Keep clothing clean and well maintained.

Monitor clothing for signs of contamination and decontaminate completely before personnel and equipment are returned to the station.

Do not hang untreated turnout gear in the station or store in your car.

Clean seats in vehicles and any other surface touched by contaminated turnout gear or equipment.

Develop a protocol for dealing with contaminants.

Brought to you by -

EF Recovery

Benz-Out

Reduce firefighter's exposure to cancer causing substances by spraying turnout gear with **Benz-Out after every exposure to hazardous residues.**

Structure fires contain furniture and building materials that can expose firefighters to toxic substances. When these materials are exposed to a number of products that contain aldehydes, ketones and more. Virtually all of these substances cause a significant increase in a firefighter's risk of cancer.



What does contamination do?

Dirty clothing reflects less heat, is more heat conductive and can be less breathable. Some kinds of hydrocarbons and other chemicals can make turnouts more flammable and also make them hazardous. The longer firefighters are exposed to contaminants, the greater the hazard to health. If turnout gear is not properly maintained, exposure is much greater and more constant as the contaminants will continue to off-gas.

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BENZ-OUT PROTOCOL INFORMATION

Test Data Summary

Several tests were run with regular gasoline placed onto an absorbent material. Initial results varied from 5 to 0.5 ppm benzene and application of Benz-Out spray on these samples resulted in 0 benzene reading in one to five minutes. Since this is a passive treatment, it takes some time for the Benz-Out to penetrate the surfaces and neutralize the contamination. Similar results were found when measuring the overall VOC level.

These tests were performed using a handheld UltraRae 3000 PID meter utilizing c6h6 Benzene Separation Tubes.

NFPA 1851 prohibits scrubbing or spraying with high velocity water jets to clean turnouts. Immediate rinsing or cleaning with a mild detergent is recommended. The initial results from the testing indicate that Gold Crew Benz-Out suppresses benzene effectively with a passive spray. The time frame for effective results appears to be a function of how contaminated the material is, the amount of Gold Crew Benz-Out used and the porosity of the material the chemistry is applied to. Benz-Out is an effective decontamination agent for use on turnouts and other firefighter apparatus.

Application of Benz-Out Solution

The Benz-Out solution should be applied in a light spray covering all exposed surfaces of the turnout gear. It is best applied before the turnout gear has been removed.

EF Recovery

For Professional Use
Only

Benz-Out

Decontamination agent
Safe • Effective • Biodegradable



Emergency First Aid Procedures

Eyes: Flush thoroughly with water. Get medical attention if needed.
Skin: Remove contaminated clothing. Wash exposed area with water. Wash clothing before reuse.
Ingestion: Get medical attention.
Inhalation: None considered necessary.

Soins d'urgence

Yeux : Bien rincer. Consulter médecin si nécessaire.
Peau : Retirer vêtements souillés. Rincer partie ayant été en contact avec produit. Laver vêtements avant de porter.
Ingestion : Consulter médecin.
Inhalation : Aucun soin nécessaire.

Procedimientos de primeros auxilios en caso de emergencia

Ojos: Límpielos conscienzadamente con agua. Solicite atención médica si es necesario.
Piel: Retire la ropa contaminada. Lave con agua la zona de piel expuesta. Lave la ropa antes de volver a utilizarla.
Ingestión: Solicite atención médica.
Inhalación: No es necesario tomar ninguna medida.

DIRECTIONS: Benz-Out is a concentrated decontamination agent. It is best applied before turnout gear has been removed. Apply a light spray covering all exposed surfaces of the turnout gear. Follow your program guidelines for proper decontamination of turnouts and equipment.

Made in the USA

Net Contents 5 US Gallons

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Gallons