



**PROTECT THOSE  
THAT PROTECT YOU**

CONTAMINATED GEAR EXPOSES FIREFIGHTERS  
TO CANCER-CAUSING TOXINS

**Micro-Blaze<sup>®</sup>**

**PPE DE-CON CLEANER**

**PRODUCT  
INFORMATION**



# Micro-Blaze®

## PPE DE-CON CLEANER

The old days of wearing your dirty bunker gear as a badge of honor are over. Research spanning decades shows that firefighters have significantly higher rates of cancer due to their occupational exposure to toxic chemicals. Ensure that your PPE and bunker gear is as clean as possible by using Micro-Blaze PPE DECON Cleaner after each use. In doing so, we can help reverse the rising cancer rate among firefighters by removing the toxic carcinogens from PPE and bunker gear.

**Micro-Blaze® PPE DE-CON CLEANER (MBPPE)** is a completely safe, non-toxic formulation of biological activators and selected all-natural and non-pathogenic microbes that break down, remove, and digest organic contaminants on uniforms, turnout gear, hoods and gloves.

The numerous strains of microbes in **Micro-Blaze® PPE DE-CON CLEANER** provide a synergistic degradation of the organic and hydrocarbon pollutants. Its proprietary combination of wetting agents, nutrients, and microbes make it an ideal formulation for cleaning and decontaminating firefighting gear.

### **Remediates**

- Acetone
- Acrylonitrile
- AFFF Waste
- Anti-Freeze
- Aviation Fuels
- Benzene & Benzene Compounds
- Crude Oil
- Diesel Fuel
- Dimethylformamide
- Fats
- Gasoline
- Grease
- Glycols
- Hydrocarbon Waste
- Kerosene
- Methanol
- Methyl Tertiary Butyl Ether (MTBE)
- Motor Oil
- Odor
- Organic Chemical Waste
- Organic Waste
- Paint Sludge
- Pipeline Condensation
- Polyurethane Resin Waste
- Sludge
- Toluene

### **Product Details**

#### **Appearance:**

Cream to tan, opaque liquid, perfumed

#### **pH:**

7.0 - 8.0

#### **Shelf Life:**

5 Years

#### **Storage:**

Avoid temperatures over 48°C for long periods of time. Avoid prolonged freezing.

#### **Packaging:**

5-Gallon Pail  
55-Gallon Drum  
275-Gallon Tote  
330-Gallon Tote

*CAUTION: KEEP OUT OF REACH OF CHILDREN.*

*Do not take internally. Avoid contact with eyes. Wash thoroughly after handling. Avoid breathing mist. Contains surfactants (soaps) which may irritate eyes or respiratory system. Use with adequate ventilation.*

# APPLICATION

## PRELIMINARY EXPOSURE REDUCTION (PER)

Use PPE-DECON for on-scene Preliminary Exposure Reduction to remove surface contaminants prior to full laundering.

Dilute to a 10% solution (1 part PPE-DECON to 9 parts water).  
Apply to contaminated gear and rinse thoroughly with water.

## HANDWASHING / PRE-SOAKING

1. Mix PPE-DECON with water at a 3% solution (light soiling) or 5% solution (heavy soiling) per set.
2. Place uniforms, turnout gear, hoods, and gloves in solution and soak as needed (minimum 1 hour recommended).
3. Remove and rinse thoroughly.
4. Gently squeeze out excess water and hang to dry. Do not wring. Uniforms, gloves, and hoods may be machine dried.

## FOR USE IN AN EXTRACTOR

For best results, pre-soak according to the instructions above.

### If pre-soaked:

1. Place gear in extractor and run standard wash/rinse cycle with no additional PPE-DECON.
2. Hang to dry or machine dry.

### If NOT pre-soaked:

1. Add PPE-DECON per extractor size:
  - 30 lb extractor: 3–4 oz
  - 40 lb extractor: 4.5–6 oz
  - 60 lb extractor: 7.5–10 oz
2. Wash using standard cycle at 120°F or below.
3. Hang to dry or machine dry.

*Always remember to inspect all fire-resistant clothing and uniforms before use. Inspect structural gear, hoods, and gloves for any discrepancies. Repair/replace as needed per NFPA 1851 standards on selection, care, and maintenance of protective ensembles for structural firefighting and proximity firefighting*

**FOR DETAILED APPLICATION INSTRUCTIONS**  
[technical@micro-blaze.com](mailto:technical@micro-blaze.com)

# PRODUCT SIZES & SPECS



**1 Gallon Pail**

SKU MBPPE-1  
Dimensions 8"x8"x12"  
Weight 9 lbs



**5 Gallon Pail**

SKU MBPPE-5  
Dimensions 12"x12"x15"  
Weight 47 lbs  
36 pails /pallet



**55 Gallon Drum**

SKU MBPPE-55  
Dimensions 24"x 24"x35"  
Weight 500 lbs  
4 drums/pallet



**275 Gallon Tote**

SKU MBPPE-275  
Dimensions 40"x48"x45"  
Weight 2,500 lbs



**330 Gallon Tote**

SKU MBPPE-330  
Dimensions 40"x48"x54"  
Weight 3,000 lbs

## RELATED PRODUCTS:

### EMERGENCY LIQUID SPILL CONTROL (ELSC)



### MICRO-BLAZE® OUT (MBOU)



SCAN FOR MSDS  
FOR ALL PRODUCTS

# PARTNERING WITH NATURE

## FOR A CLEANER TOMORROW






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### BASED ON U.S. CANCER RATES

-  GREATER NUMBER OF FIREFIGHTER CANCER DIAGNOSIS & CANCER-RELATED DEATHS
-  TWICE AS MANY FIREFIGHTERS WITH MALIGNANT MESOTHELIOMA, CAUSED BY EXPOSURE TO ASBESTOS
-  INCREASED CASES OF CERTAIN CANCERS AMONG YOUNG FIREFIGHTERS
-  CHANCE OF LUNG CANCER DIAGNOSIS OR DEATH INCREASES WITH THE AMOUNT OF TIME SPENT AT FIRES
-  CHANCE OF LEUKEMIA DEATH INCREASES WITH NUMBER OF FIRE RUNS

CONTAMINATED FIRE GEAR CAN TRAP MANY OF THE CHEMICALS & CARCINOGENS ENCOUNTERED IN A STRUCTURE FIRE

### ENSURE YOUR GEAR IS CLEAN AND HEALTHY



### TEST RESULTS

PRE-SOAKED IN PPE DE-CON CLEANER THEN THROUGH A RINSE CYCLE IN A WASHING MACHINE

