

The Decontamination Wipe for the Utilities Industry



De-Wipe®

Workers are being exposed!

There are a wide range of pollutants that workers in the utilities industry could be exposed to. These can originate from a wide range of potential sources including tarmac, bitumen and pollutants in the ground from our industrial legacy.

Hot asphalt emits a complex mixture of fumes, vapours and solid particulates containing hundreds of different compounds and carcinogens, including Polycyclic Aromatic Hydrocarbons (PAHs) such as Benzo[a]pyrene. The cutting of existing laid Asphalt also causes Silica which can be dermal absorbed.

Oral & dermal (skin) contact are key pathways for workers to be exposed to these pollutants.

The Risks:

- Human skin is 400% more absorbent with every 5 degree rise in temperature
- Benzo[a]pyrene is carcinogenic to humans
- Benzo[a]pyrene can cross contaminate

The Solution...

De-Wipe - scientifically formulated and scientifically proven to help remove the risk of carcinogens and bacteria thanks to the added ingredient, a proactive compound that defends against hydrocarbons such as soot and dirt with ease.

www.dewipe.com

- *Scientifically tested and proven to remove 17 of the most toxic Chlorinated Dioxins*
- *Scientifically tested and proven to remove 8 of the most toxic PAH's (Polycyclic Aromatic Hydrocarbons)*
- *Removes >91% of Benzo[a]pyrene*

 **BIODEGRADABLE**
Keeping you green

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Why not just use a regular wipe?

Some pollutants are hydrophobic (water hating) and so the action of wiping hands and face with alcohol wipes may increase exposure to pollutants as it has the potential of irritating the skin, opening pores and rubbing pollutants into the skin.

Tests using De-Wipe® have proven its effectiveness at removing some of the most common and toxic pollutants that workers may be exposed to such as Polycyclic Aromatic Hydrocarbons (PAHs) and Chlorinated Dioxins. Thus, asphalt workers are occupationally exposed to PAH's via both inhalation and dermal absorption.

Studies have shown that skin uptake of components from the asphalt mixture is another important pathway for PAH's. The magnitude of these pathways can be reduced dramatically by using De-Wipe®. This is a quick and effective solution to reduce the risk immediately whilst on site.

A recent publication by Public Health England they stated that IARC has classified Benzo[a]pyrene (BaP) as carcinogenic to humans. BaP can cross the placenta; BaP-DNA adducts have been found in fetal cord blood and also in the sperm. Presence of these adducts is associated with reduced sperm count in men and decreased motor development in infants.



Wipe it Off, Don't Take it Home
#reducetherisk



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