

# Soothe-Away Plus™



## Hydro-Force Series

### OC Neutralizer

- Capsicum Burn Relief
- Neutralizes OC Contamination
- Proven Effective
- Lifts OC from Skin Pores
- Relief in 10 Minutes



Soothe-Away Plus™ is a companion product to the Water Restraint Systems and other weaponry using Oleoresin Capsicum (commonly known as OC or Pepper Spray). Soothe-Away Plus™ dissipates the burning sensation created when OC comes in contact with skin. Installations using OC should have Soothe-Away Plus™ on hand for operators, maintenance personnel, and inmates or other subjects who handle or are marked by OC.

#### How pepper spray affects the skin

Pepper extracts and sprays are comprised of heat-producing compounds called capsaicinoids. These compounds coming in contact with skin will stimulate nerve endings and cause the sensations of heat and pain. Although the skin will not actually “burn,” the body will “feel” and the brain will “think” the affected area is burning. In reaction to this burning sensation, blood will rush to the area to provide cooling. The subject may sweat profusely as the body attempts to defend itself from the burning attack.

The compounds that provide the heat and stinging sensations in capsaicinoids are:

- Dihydrocapsaicin (DHC) -- 80%
- Nordihydrocapsaicin (NDHC) -- 10%
- Homocapsaicin (HC) and Homodihydrocapsaicin (HDHC) -- 10%

#### How to use Soothe-Away Plus™

The normal method of removing capsaicinoids from the skin is to wash with soap and water. This will not, however, remove the capsaicinoids, and the affected area will continue to feel like it is burning. Soothe-Away Plus™ extracts capsaicinoids from the fatty tissue, gradually relieving the burning sensation and soothing the area. The subject should work Soothe-Away Plus™ into a thick lather in repeated applications until the burning sensation is gone completely. Once Soothe-Away Plus™ removes the OC from the fatty tissue, the OC can be washed off with soap and cold water. The technical note on the reverse side of this brochure details the procedure for removing OC from the skin.

**IMPORTANT: DO NOT APPLY WATER  
BEFORE USING SOOTHE-AWAY PLUS™**

## Technical Note

(Preliminary)

Recommended Application of Soothe-Away Plus™

Rev. 5-31-00

### What OC (Pepper Spray) Does

OC or Oleoresin Capsicum is a natural food product often used as an irritant. Hot pepper sauce uses OC as its “hot” ingredient, and it is a mild irritant to the mouth. Higher OC concentrations (i.e., Pepper Spray) can be irritating to the eyes, lungs and skin. The OC contains capsaicinoids that penetrate the fatty tissues just under the skin and make them “think” that they are hot. This natural effect can last for several hours to several days if untreated.

### Treatment

Relief will occur only when the capsaicinoids are pulled out of the fatty tissue. This is why a cool surface cleaner like water will provide the sensation of cool relief but when the water is removed the “heat” is still there. OC cannot be dissolved with a solvent or soap so it must be pulled from the fatty tissue without damaging the skin tissue. Soothe-Away Plus™ is like a sponge attracting the OC and taking it away. However, once pulled from the skin, the OC (and Soothe-Away Plus™) must be removed from the skin surface.

### Application

The OC has been absorbed into the pores and that is why the “heat” sensation occurs. The longer the exposure or the stronger the OC solution the deeper into the fatty tissue the OC will be absorbed. The earlier the application of Soothe-Away Plus™ the better the relief.

DO NOT apply water or any other solution before applying Soothe-Away Plus™. The water will temporarily provide a cool feeling but will also decrease the ability of Soothe-Away Plus™ to extract the OC, thus prolonging the “heat.”

Apply Soothe-Away Plus™ liberally to the affected area and work it into the skin. This application will clean away the surface OC and pull most or all of the OC from the pores. Let Soothe-Away Plus™ stay on the skin for at least 1 to 2 minutes before rinsing with plenty of cold water. Thoroughly dry the area after rinsing. Some OC may remain in the fatty tissue and a second, and third, application may be necessary.

Apply Soothe-Away Plus™ liberally a second time and work it into the skin again. This application will pull the remaining OC from the fatty tissue. Let Soothe-Away Plus™ stay on the skin for at least 1 to 2 minutes then rinse again with cold water, drying thoroughly.

In severe OC exposures a third application of Soothe-Away Plus™ may be necessary to continue extracting the OC from the fatty tissue. Dry the affected skin with a towel or tissue and repeat the procedure above.

### Comments

Please provide us your comments about your uses of Soothe-Away Plus™, or any competitive product. We need your information to continually improve our products.