



HORSE PROTECTION PROGRAM

FOREIGN SUBSTANCES IN 2008 DEFINED

FOREIGN SUBSTANCES FOUND	DEFINITIONS
Aromatic hydrocarbons consistent with the composition of a fuel oil	Used as commodity chemicals in the petrochemical industry. These compounds are one of the most widespread organic pollutants, remaining on beaches and marine environments for a long time after an oil spill. A counterirritant.*
Benzocaine	Is a local anesthetic. A numbing agent.
Elemental Sulfur	Uses are primarily in production of agrichemicals and fertilizers, detergents, dyestuffs, and widely used in black gunpowder and matches. Also used in acne and skin treatments, commonly used as a keratolytic (skin peeling) agent. A counterirritant and masking agent.
Octyl Methoxycinnamate	Is considered an ultraviolet screen. Have been used to possibly camouflage thermography image. Causes transdermal absorption of other chemicals. A masking agent.
Isopropyl Palmitate	Is the ester of isopropyl alcohol and palmitic acid. It is most commonly found in cosmetic products as a synthetic moisturizer and emollient. Examples are liquid detergents like Palmolive. A counterirritant.
o-Aminoazotoluene	Used in the coloring of oils, fats, and waxes and in the manufacture of pigments. It is also a chemical intermediate for the production of dyes. Causes skin sensitization. It is reasonably expected to be a human carcinogen and is a proven carcinogen in animal studies. A counterirritant and masking agent.
Camphor	Is readily absorbed through the skin and produces a feeling of cooling similar to that of menthol and acts as slight local anesthetic and antimicrobial substance. A counterirritant and numbing agent.
Oxybenzone	Is considered an ultraviolet screen. Have been used to possibly camouflage thermography image. Causes transdermal absorption of other chemicals. A masking agent.
Methyl Salicylate	Is prepared by the esterification of salicylic acid with methanol. It is used in perfumery, but also has therapeutic use as a counterirritant. Synonyms include: wintergreen oil, betula oil, sweet birch oil and teaberry oil. Under Caution: ..."Direct contact may cause irritation of the skin and mucous membranes." A counterirritant.
Isopropyl Myristate	Is used in cosmetic and topical medicinal preparations where good absorption through the skin is desired. A jellied isopropyl myristate was marketed as Estergel. A counterirritant.
Lidocaine	Is a local anesthetic. A numbing agent.
Dimethyl Sulfoxide (DMSO)	Is rapidly absorbed through skin and mucous membranes; enhances dermal absorption of many chemicals. Repeated topical application may result in mild, erythematous, scaling dermatitis..." A counterirritant.
Menthol	Has local anesthetic and counterirritant qualities, and it is widely used to relieve minor throat irritation. A counterirritant and numbing agent.

***Counterirritant** = 1 : an agent applied locally to produce superficial inflammation with the object of reducing inflammation in deeper adjacent structures 2 : an irritation or discomfort that diverts attention from another <http://www.merriam-webster.com/dictionary/counterirritant>