

METHOD AND FORMULATION FOR NEUTRALIZING TOXIC CHEMICALS AND MATERIALS

ABSTRACT OF THE DISCLOSURE

5 The present invention is directed to a formulation and associated method for
neutralizing one or more toxic chemical and/or materials including toxic industrial
chemicals and toxic industrial materials, such as irritants, heavy metals, radioactive
metals, acids and acid irritants, pesticides, and various agricultural chemicals, (collectively
referred to as toxic chemical, materials, or simply toxins) as well as decontaminating
10 surfaces that have come into contact with these agents. As a result, the formulation of the
present invention can be used for neutralizing a broad spectrum of toxic chemicals and
materials. In one embodiment, the active ingredient comprises 2, 3, butanedione
monoxime (also known as diacetyl monoxime (DAM)), and alkali salts thereof such as
potassium 2,3-butanedione monoxime (KBDO). The formulation also typically includes a
15 carrier in which the active ingredient is dispersed. In one embodiment, the carrier
comprises polyethylene glycol (PEG); monomethoxypolyethylene glycol(mPEG); and
combinations and derivatives thereof.

(no suitable figure)