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Drying Agents



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#### [Evaluation of Silver-Exchanged Zeolites Under Development by University of Maine for](#)

Aug 2007 19 pages

#### [Chemical Warfare Agent Decontamination Applications](#)

Authors: [Mark D. Brickhouse](#); [Teri A. Lalain](#); [Terrence G. D'Onofrio](#); [Lawrence R. Procell](#); [Zachary B. Zander](#); [EDGEWOOD CHEMICAL BIOLOGICAL CENTER ABERDEEN PROVING GROUND MD](#)

... Department of Chemistry, University of Maine, for the destruction of chemical warfare **agents**. The hypothesis under investigation is that rapid decontamination can be achieved by ... field; therefore, the samples were used as received without **drying** or modifying. In the as-received state, the samples contain zeolitic water and are considered in a "hydrated" state. **Drying** or dehydrating the samples would create a different environment. The primary ... decontamination efficacy for several silver-doped zeolites against chemical **agents** to determine the most-active zeolites with or without photo activation.

**Full Text**

#### [Physical Characteristics of Fire-Extinguishing Powders](#)

Aug 1997 67 pages

Authors: [Anthony E. Finnerty](#); [Lawrence J. Vande Kieft](#); [Andrew Drysdale](#); [ARMY RESEARCH LAB ABERDEEN PROVING GROUND MD](#)

Powders are known to be highly efficient fire-extinguishing **agents**. There are powders available that, on both weight and volume bases, are more efficient than Halon 1301 as fire-extinguishing **agents**. A project was undertaken to examine several powders by both optical microscopy ... appeared to have very little agglomeration of the particles. The large amount of **drying** agent (approximately 8%) may explain this fact. In addition, most ... bicarbonate powders had similar average characteristic dimensions. Therefore, it is felt that they may perform similarly as fire-extinguishing **agents**.

**Full Text**

#### [Some Aspects of the Evaluation of the Useful Life of Nylon Parachutes and Parachute Materials](#)

Aug 1956 14 pages

Authors: [Louis I. Weiner](#); [QUARTERMASTER RESEARCH AND DEVELOPMENT CENTER NATICK MA](#)

... regarding serviceability may be made on a statistical sampling basis rather than 100% inspection. The specific studies which form a part of our current program are: Solar and ultra-violet radiation; Wetting and **drying** in sunlight and **drying** equipment; Permanent set during storage; Mechanical damage in use and maintenance; Durability of seams and thread; Deterioration due to chemical atmospheric **agents**; Fatigue due to repeated impact loading. (Author)

**Full Text**

#### [Pressureless Sintering of Ceramic Composites](#)

Jan 17, 1994 63 pages

Authors: [Martin W. Weiser](#); [NEW MEXICO UNIV ALBUQUERQUE](#)

... was maximized at moderate levels of inclusion inhomogeneity. We also found that various salts were effective coagulating **agents** for slip casting Al<sub>2</sub>O<sub>3</sub>/ZrO<sub>2</sub> composites. The **drying** of composites found that percolation limits the green density of particulate composites. The fracture toughness of Mn-Zn ferrites was increased ... composites is not an effective densification method. Ceramic composites, Sintering, Densification, Inclusion distribution, Inclusion aspect ratio, **Drying**, Toughening, Ferrites, Slip coagulation

**Full Text**

#### [Operation Desert Storm. Questions Remain on Possible Exposure to Reproductive Toxicants](#)

Aug 1994 39 pages

Authors: [Winslow Wheeler](#); [Kurt Kroemer](#); [Robert Coperland](#); [Penny Pickett](#); [Venkareddy CHennareddy](#); [GOVERNMENT ACCOUNTABILITY OFFICE WASHINGTON DC](#)

... the burning of human waste with fuel oil, the presence of fuel in shower water, and the **drying** of sleeping bags with leaded vehicle exhaust), infectious diseases (most prominently leishmaniasis), prophylactic **agents** (to protect against chemical and biological weapons), depleted uranium (contained in certain ammunition and in ... fragments of exploded rounds embedded in casualties), pesticides and insect repellents, possible chemical warfare **agents**, and a large variety of compounds contained in the extensive smoke from the oil-well fires that ...

**Full Text**

#### [Synchronization of Multiagent Plans Using a Temporal Logic Theorem Prover](#)

Dec 13, 1985 72 pages

Authors: [Christopher Stuart](#); [SRI INTERNATIONAL MENLO PARK CA](#)

... simple example is useful in considering aspects of the planning problem. The planning problem is to find some plan that can guide the activity of an agent or **agents** to achieve a desired goal. The particular subproblem considered here is that of resolving possible conflicts between elements of a plan. There are several ways subplans ... One may upset a condition that needs to be maintained for a time. The act of building the front steps requires that, while the concrete is **drying**, others should avoid working on the roof where they may drop things on the new steps. \* They may cooperate. If a truck is ...

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