

## RECOMMENDED DISPOSAL METHOD FOR ORGANIC PEROXIDES

Organic peroxides are, by definition, unstable. Products requiring refrigeration are, in particular, unstable under ambient conditions. For this reason, any material which is out-of-date or off-spec, and cannot be reclaimed is considered hazardous waste. Such materials should be stored, treated, or disposed of only by authorized facilities.

### Liquid Organic Peroxide Formulations

- **Dilution and incineration** is the recommended disposal method for small quantities of both refrigerated and ambient storage organic peroxides. Due to current environmental regulations, this method has become the preferred method of liquid organic peroxide disposal. Dilution of the organic peroxide to an **active oxygen content less than 1%** in a satisfactory solvent is recommended. Fuel Oil #2 or common non-flammable non-polymerizable hydrocarbons (which are readily soluble with the peroxide) are the most widely used solvents. Dilution should be done by adding the organic peroxide slowly to the solvent with mild agitation to facilitate mixing.

### Solid Organic Peroxide Formulations

- Dilution is **not** generally accepted for disposal of solid organic peroxides. Due to solubility limitations, incineration "as is" or as a "water-wet" slurry is the recommended disposal method for solid organic peroxides.

### Incineration

- Incineration by an **approved** waste disposal facility has the advantage of providing rapid and complete decomposition along with the elimination of decomposition products.
- Incineration without dilution is an accepted means of disposal for all peroxides and is often the preferred method for large quantities.
- **Disposal must comply with federal, state and local regulations.**

For assistance with proper and safe disposal of organic peroxides, please contact the Arkema Inc., Organic Peroxide Regulatory Safety Specialist via the customer service hotline **(1-800-558-5575)**.

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