



The Organic Peroxide Producers Safety Division
The Society of the Plastics Industry, Inc.
1667 K. Street, NW, Suite 1000
Washington, DC 20006-1620

Disposal of MEKP (Methyl Ethyl Ketone Peroxide)

Small amounts can be used to cure (harden) polyester resins: which can then generally be disposed of in a regular sanitary landfill. Check all applicable Federal, State and local regulations to ensure this is allowed.

MEKP's can be sent to an approved disposal company where they can be incinerated. A list of such companies is available from your organic peroxide supplier.

If you have a permit to treat material, hydrolysis is an effective way of disposing of small quantities of MEKP. This involves incremental addition of MEKP to a rapidly stirred, cold, 5-10% sodium hydroxide (caustic) solution. This reaction requires adequate agitation and temperature control between 30 to 40°C. NOTE: NEVER add the caustic to the peroxide.

This procedure converts MEKP to water-soluble salts which can be disposed of as non hazardous waste (by normal means).

This publication has been prepared by the Organic Peroxides Producers Division (OPPSD) of the Society of the Plastics Industry, Inc. (SPI) as a service to the industry. The information is offered in good faith and believed to be reliable, but is made WITHOUT WARRANTY, EXPRESSED OR IMPLIED, AS TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ANY OTHER MATTER. Any examples included in the publication are not intended to be directed to any particular product. Consult the manufacturer or material supplier for more detailed information. SPI does not endorse the proprietary products or processes of any manufacturer.

This publication is not intended to provide specific advice, legal or otherwise, on particular products or processes. Readers should consult with their own legal and technical advisors, their suppliers, and other appropriate sources that contain information about known and reasonably foreseeable health and safety risks of their proprietary products and processes. SPI and its members do not assume any responsibility for the user's compliance with applicable laws and regulations, nor for any persons relying on the information contained in this document.

(c) 2012 The Society of the Plastics Industry, Inc. (SPI). Licensed under the Creative Commons Attribution 3.0 license, <http://creativecommons.org/licenses/by/3.0/>.