Disposal of MEKP (Methyl Ethyl Ketone Peroxide)

1) 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.

Small quantities (one pound or less) can also be disposed of by hydrolysis (see #3 below)

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).

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