

Safety Summary

METHYL ETHYL KETONE PEROXIDES (MEKP)

- CORROSIVE TO THE EYES - may cause blindness
- MAY BE FATAL IF SWALLOWED
- STRONG IRRITANTS - avoid contact with skin
- HEAT or CONTAMINATION may lead to FIRE or EXPLOSIVE DECOMPOSITION



IN CASE OF FIRE

NOTIFY FIRE DEPARTMENT

SMALL FIRES - use water or carbon dioxide extinguisher.

LARGE FIRES - from a safe distance use water, preferably fog or spray or water-based agents such as AFF foam.

KEEP CONTAINERS COOL with water spray during fires near storage or handling areas.

DIFFICULT TO IGNITE – BURNS VIGOROUSLY, WITH INCREASED INTENSITY. Most MEKP are formulated to have a high flash point (140°F to 205°F).

MEKP DILUTED WITH ETHYL ACETATE (see Dilution under Handling) or similar low density and flammable solvents - use foam or similar agents. If not available, use water fog.

AFTER FIRE - WAIT UNTIL COOL before attempting clean-up or salvage operations.

FIRST AID

EYES - Irrigate immediately (seconds count) with water and continue washing for at least 15 minutes. Obtain medical attention promptly.

SKIN - Remove contaminated clothes and shoes and then wash skin thoroughly with soap and water.

IF SWALLOWED - Do not induce vomiting. Drink large quantities of milk or water. Obtain immediate medical attention. Refer physician to local poison control center or (1-800) 222-1222, day or night.

INHALATION - Obtain medical attention. Remove to fresh air and contact physician immediately.

STORAGE

STORE IN A COOL PLACE - AWAY FROM FLAMMABLE MATERIALS. Separate isolated storage should be provided for large quantities (see NFPA 400 Code).

NEVER store in a REFRIGERATOR containing food or drink.

NEVER store with COBALT COMPOUNDS or other promoters or accelerators or corrosives or flammables.

SPRINKLERS or a deluge system should be provided in storage areas, even if remainder of plant does not have such a system.

LEAKING or CONTAMINATED CONTAINERS should be isolated in a safe place away from buildings (see SPILL or LEAK).

ONLY ORIGINAL CONTAINERS should be used for storage.

"NO SMOKING" and "ORGANIC PEROXIDE" - "KEEP FIRES AWAY" signs should be provided at all storage locations.

HANDLING

NO SMOKING, NO SPARKS, NO HEAT, NO CONTAMINATION

WEAR SAFETY GLASSES or goggles and PROTECTIVE GLOVES

PROVIDE SAFETY SHOWER and EYE WASH

Remove from storage only the AMOUNT OF MATERIAL IMMEDIATELY NEEDED in the process area.

NEVER RETURN MEKP TO ORIGINAL CONTAINER. Dispose of empty containers in compliance with Federal, State and/or Local regulations.

For handling MEKP removed from original container, use only clean containers of approved material. Never place in glass or metal containers except approved stainless steel containers and then only for immediate use.

BEWARE OF STEAM LINES, OPEN FLAMES and SPARKS when using or storing MEKP

SPRINKLERS should be provided in MEKP work areas.

DO NOT ADD TO HOT SOLUTIONS (over 100°F)

DILUTION IS NOT RECOMMENDED. However, it is known that some laminators do dilute MEKP. In this instance observe the following:

- (1) Use only approved, high-purity diluents;
- (2) Scrupulously avoid contamination;
- (3) NEVER use acetone;
- (4) Flammable diluents require special fire prevention procedures.

SPRAY APPLICATIONS. Tanks should be equipped with adequate venting devices and kept very clean. Protect from fire. Avoid inhaling vapor or mist.

CONTAMINATION may lead to FIRE or EXPLOSIVE DECOMPOSITION. Scrupulously avoid any possible contamination with heavy-metal oxides or salts, especially of cobalt, iron or copper. Contamination from promoters, strong acids, sanding dusts, or similar materials is equally DANGEROUS.

SPILL or LEAK (No Smoking, No Sparks, No Heat, Keep People Away), always have water and fire extinguishers available. Absorb spills with an inert moist material – sodium bicarbonate or sand. Immediately, using non-sparking equipment, transfer into double polyethylene bags or polyethylene drum, then wet thoroughly with water. Isolate the contaminated absorbent due to the possibility of spontaneous combustion. Dispose of hazardous waste in compliance with Federal, State and/or Local regulations.

RAGS Use only clean white rags.

Read Product Material Safety Data Sheet before using - For Further Information Contact Supplier

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ORGANIC PEROXIDE PRODUCERS SAFETY DIVISION

