

Personal Protective Equipment: Gloves

Prior to using any organic peroxide, it is absolutely necessary to conduct an appropriate hazard assessment in order to ensure employee safety. See this link for more details: <https://www.osha.gov/shpguidelines/hazard-identification.html>

If a workplace hazard assessment reveals that employees face potential injury to hands and arms that cannot be eliminated through engineering and work practice controls, employers must ensure that employees wear appropriate protection. Personal protective equipment, commonly referred to as "PPE", is equipment worn to minimize exposure to hazards that cause serious workplace injuries and illnesses.

Organic peroxides may be in solid or liquid state and may be technically pure or sold as formulations which include one or more functional or non-functional diluents. Commercial formulations occasionally consist of mixtures of organic peroxides which may or may not be phlegmatized. Diluents may have been chosen for shipping, handling, and/or application purposes.

Please refer to your supplier's SDS for further information on glove and PPE selection (Section 8: Exposure Controls/Personal Protection).

Factors that affect glove selection include:

- nature of contact (total immersion, splash, mist, contaminated surfaces)
- frequency and duration of chemical contact (often to rarely)
- size and comfort requirements
- temperature of the chemical
- type of chemical(s) to be handled (or used)
- length to be protected (hand only, forearm, arm)
- glove features (e.g. cuff edge, lining, color [to show contamination])
- abrasion, puncture, tear resistance requirements of the job or task
- concentration of the chemical
- thermal protection
- dexterity requirements of the job or task
- grip requirements (dry grip, wet grip, oily)

For more information about OPPSD and for links to additional OSHA information, please visit our website at <http://www.plasticsindustry.org/oppsd>.

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