

UV/EB Safety and Handling Requirements

General

Like other materials used in the printing industry, resins used in UV curable products may cause skin, eye and mucous membrane sensitization. The reaction varies with the individual and the product. The most important contributing factor to this reaction is exposure time. Most people will see no effects if materials are washed/removed from skin when exposure occurs.

Protective Equipment

Gloves Butyl rubber or nitrile gloves are recommended. If minimal contact is expected, PVC gloves may be used, but should be discarded after use.

Safety Glasses Use glasses which provide UV light protection when exposure to lamps is unavoidable and to minimize potential for UV products splashing into eyes.

Clothing Avoid contaminating clothing. If UV materials soak into clothing, change and wash contaminated skin with mild cleaners. **DO NOT USE SOLVENTS.** Use of solvents increases the absorption into skin.

Shoes Wear impervious safety shoes to prevent penetration of UV material. Avoid shoes made of porous materials such as canvas, suede, and nubuck.

Respiratory Use respiratory equipment if use of UV materials results in mists or vapors.

First Aid

Flush contaminated eyes thoroughly with water for 15 minutes.

Use soap and water, or other mild cleaners, to remove from skin.

If overcome by vapors or mists, remove to fresh air.

Do not induce vomiting if ingested.

Seek medical attention if irritation or symptoms persist.

General Housekeeping

Keep work areas clean.

Use absorbent rags/towels to clean spills.

Dispose or launder rags by organization equipped to handle chemical residue.

Storage and Handling

Maintain headspace in container to allow oxygen inhibition and prevent premature polymerization.

Store in closed containers below 90°F. Maximum shelf life is obtained by storing products as close to room temperature (~70-80°F) as possible.

Keep out of direct sunlight.

Avoid freezing.

Avoid contamination.

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