

NOTE: You may also contact RadTech for a copy of the UV/EB Health & Safety Video CD (available at *no charge*)

As with all chemicals, it is important that the potential health and safety hazards associated with UV/EB process technology be understood and that chemicals and process equipment be handled safely in the workplace. This information is meant to be a guideline for the handling of UV/EB raw materials and processing equipment. It is the responsibility of the users to read and understand Material Safety Data Sheets, labels and process equipment instructions.

This guide is intended to provide safety and handling information in a "user-friendly" outline format; however, the MSDS of the supplier should be consulted as the primary safety and handling document. Following this guide does not guarantee compliance with any law or regulation. Companies involved in distribution, handling, processing and use of UV/EB systems should consult with their applicable and possible future regulations.

Chemical Hazard

- May cause skin and eye irritation.
- May cause respiratory tract irritation.
- May cause skin sensitization.
- Minimal ingestion hazard.
- Typically contain minimal volatiles

Storage & Handling

- Maintain head space to support the oxygen requirements of the inhibitor.
- AVOID contamination with peroxides, strong oxidizing agents, copper, copper alloys, carbon steel, iron, rust, strong acids and amines.
- Store in closed containers at temperatures recommended by manufacturer.
- Keep out of direct sunlight.
- DO NOT use steam or electrical drum heater to heat containers.
- AVOID freezing. If necessary, follow proper thaw procedure.

Personal & Protective Equipment

- Use safety glasses/goggles with UV protection, as needed.
- Wear appropriate gloves (butyl/nitrile).
- AVOID contamination of clothing.
- Wear impervious safety shoes. AVOID canvas, suede and nubuck.
- If usage results in vapor/mists/aerosols, use respiratory equipment.

Housekeeping

- Keep work area clean.
- Use absorbent rags to clean spills immediately.

- Dispose/laundry rags appropriately.

Personal Hygiene

- Do not eat, drink or smoke in work area.
- Avoid contact with surfaces/objects that may be unknowingly contaminated. Prolonged exposure may result in irritation.
- Remove and clean jewelry (ring, watches) that may come in contact with UV/EB material.
- Wash hands, face and contaminated clothing with mild industrial skin cleanser and soaps after handling UV/EB materials. DO NOT USE SOLVENTS to clean skin or clothing.
- Do not reuse contaminated clothing/jewelry until properly cleaned.
- Discard contaminated shoes and leather goods.
- Shower after work shift.

First Aid

- Flush contaminated eyes or skin thoroughly with water for 15 minutes.
- Use soap and water on skin OR waterless cleaner, if needed.
- If overcome by vapors/aerosols/mists, remove to fresh air.
- If ingested, do not induce vomiting.
- Seek medical attention if irritation/symptoms persists.

UV Process Equipment

- Ensure electrical guards in proper place.
- Ensure the lamp cooling systems are operating properly.
- Ensure proper ventilation of UV lamps.
- Ensure UV light source is properly shielded. Flush contaminated eyes or skin thoroughly with water for 15 minutes.

EB Process Equipment

- Ensure safety interlocks are functioning properly.
- Conduct personal and equipment monitoring as per manufacturer recommendations and regulatory requirements.
- Ensure electrical guards in proper place.

NOTE: The information contained in this guide is believed to be current of the date of the publication. The use of the information and the conditions of use of particular UV/EB systems are not within the control of RadTech International NA and the companies issuing this document. It is the user's obligation to determine the conditions of the safe use of a particular UV/EB system. This guide is offered in good faith and is believed to be reliable but no warranty or representations, express or implied, is made with respect to any or all of the contents of this document. RadTech International NA and its member companies assume no legal responsibility

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