

Safe Handling of UV Curable Coatings

Hazard Communication

- before use of product
 - read label
 - read MSDS
- consult labels and MSDS for specifics on safe handling of product

General Properties

- low odor thresholds
- low volatility
- reactivity
 - proper storage (not above 90 degrees F)
 - inhibited
 - avoid heat & sunlight

Workplace Health Concerns

- Skin contact
- Eye contact
- Inhalation
- Chronic

Skin Contact

- Irritation
 - redness
 - swelling
 - blister formation
 - burns
- Sensitization
 - allergic reaction
 - repeated exposure
 - doesn't affect most people
 - cross-sensitization

Photosensitizer

- increase exposed person's susceptibility to reaction to light
- material left on skin and exposed to light may result in sunburn

Eye Contact

- tearing
- redness
- burning sensation
- some can be corrosive

Inhalation

- usually not a hazard at room temp
- aerosols and vapors may cause respiratory tract irritation

Chronic

- long-term overexposure
- skin painting animal studies-some positive
- no regulatory agency listed carcinogens

Personal Protective Equipment

- Gloves
- Protective clothing
- Substantial shoes
- Safety goggles
- **No contact lenses**

Mists and Vapors

- local exhaust ventilation
- NIOSH approved respirator

Personal Hygiene

- wash contaminated skin immediately after contact with soap and water
- routine wash-ups before break, before lunch and after work
- **do not use solvents to clean skin**
- launder contaminated clothing before wearing
- dispose of contaminated leather shoes & belts

Spills or Leaks

- consult MSDS
- wear eye, skin and respiratory PPE
- properly dispose of waste

Handling UV Curable Materials

- Protect skin and eyes
- Proper storage and handling
- Good housekeeping