

# Safety Quick Reference

Epoxy resin is safe when handled correctly. These rules are not optional — they protect your health.

## EPOXY HARDENER IS A SENSITISER — READ THIS FIRST

Repeated skin or inhalation exposure to uncured epoxy hardener can trigger permanent sensitisation.

Once sensitised, even trace exposure causes severe allergic reactions. There is no cure.

This means: nitrile gloves every time, ventilation every time, no shortcuts.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Gloves:** Nitrile, minimum 0.1 mm thick. Not latex — too permeable. Change if torn.

**Eyes:** Safety glasses when handling pigment powder or if splash risk exists.

**Clothing:** Long sleeves. Old clothes that cover arms. Apron for splash protection.

**Respirator:** For pigment powders: FFP2/N95 dust mask minimum. Not needed for liquid resin in ventilated space.

**Footwear:** Closed-toe shoes. Never bare feet in the studio during active pouring.

## VENTILATION

● Minimum: one window open throughout mixing, pouring, and the first two hours of cure.

● Better: cross-ventilation (window + door on opposite sides of the room).

● Avoid: working in a sealed room, basement without airflow, or near HVAC intake vents.

● Curing resin continues to off-gas for 24–72 hours. Ventilate the cure space throughout.

## SKIN CONTACT

1. Remove gloves immediately.
2. Wash affected area with soap and water for 5 minutes.
3. Do not use solvents (IPA, acetone) on skin — they increase absorption.
4. If reaction develops: seek medical advice. Mention epoxy sensitisation.

## EYE CONTACT / INHALATION

1. Eyes: flush immediately with water for 15 minutes. Seek medical attention.
2. Inhalation of vapour: move to fresh air. If symptoms persist, seek medical help.
3. Inhalation of pigment dust: move to fresh air. Wear mask in future.
4. Ingestion: do not induce vomiting. Call Poison Control immediately.

## DISPOSAL

**Liquid uncured resin:** do NOT pour down the drain. Allow to cure fully before disposing as solid waste.

**Cured resin:** treat as regular solid waste — landfill. It is inert once fully cured.

**Contaminated gloves / paper:** allow any liquid resin to cure, then dispose as solid waste.

**Empty containers:** allow residue to cure fully. Check local regulations for plastic recycling.