

# ELITE CARES

Guidelines for Safe Handling  
of Epoxy Resins



**ELITE CHEMICAL  
INDUSTRIES**



# ELITE-CARES

## GUIDELINES WHEN WORKING WITH RESINS

### PROTECT YOURSELF

- Work in a ventilated space
- Wear a respiratory mask
- Protect your eyes
- Protect your skin
- Cure in a ventilated area

If exposed to fumes, spray mist or splashes is liable to occur, wear a face shield and respiratory mask. Protect you skin with suitable barrier creams, protective safety gloves, protective clothing and an apron.



### WORK SAFELY!

#### Keep the work area clean and tidy

- Keep the work area clean
- Ensure that adequate ventilation is provided especially in confined working areas. Local extraction may be necessary where there is a concentration of fumes
- A supply of skin cleaning preparations, paper towels and adequate washing facilities should be readily available
- Use disposable containers and equipment where possible
- Keep tools clean
- Use waste bins with disposable liners
- Do not eat, drink or smoke in the work area



### PERSONAL HYGIENE

#### Wash and clean carefully with soap and warm water

- After finishing work
- After any skin contact with resins
- Prior to using the rest room
- Prior to eating, drinking or smoking

#### Do not wash with solvents

- Cleansing creams may be a useful aid to personal hygiene
- Refatting creams may help to prevent skin dryness
- Contaminated clothing should be dry cleaned before re use
- Use disposable towels



## What are resins?

Resins are chemicals which may be supplied as liquids, solids or solutions. When cured by mixing and reacting with a hardener, they are converted to solid thermoset materials used as coating or bonding agents for many materials such as steel, sand, concrete, wood and plastics.

Cured resins possess an outstanding combination of properties including mechanical strength, heat resistance and flexibility as well as good impact, corrosion and chemical resistance.

## Where are resins used?

Resins find a wide range of applications in many major industries such as construction, electrical, automotive, aviation, engineering etc.

## Safe handling

Resins are reactive chemicals which require correct handling to ensure that they are used safely. This means avoiding direct exposure of the body via skin contact, inhalation, or ingestion (by mouth). Ways of achieving this are outlined in this leaflet in particular, skin contact should be avoided since this can lead to irritation and, in some cases, to skin sensitization.

These are general safety recommendations. The user should also read any specific safety instructions provided by the resin supplier.



## FIRST AID

### Skin/eyes

If skin contact with resins occurs, wash the affected areas carefully, several times. Reapply protective creams.

### Inhalation

If the user is affected by inhalation of vapour or spray mist, remove the user from the area to an open area with fresh air. Seek medical advice.

### FIRES

Chemical fires need to be extinguished with foam or carbon dioxide, not with water or carbon tetrachloride type extinguishers. Wear respiratory and eye protection while extinguishing fires involving epoxies.



# ELITE-CARES

## Application Instruction for Wearing Compounds – Ceramic Tile Adhesives – General Purpose Adhesives – Conveyor Belt & Rubber Repair

### Instructions:

General Purpose Adhesives:	see QP 100
Wearing Compounds:	see QP 200
Ceramic Tile Adhesives:	see QP 300
Electrical Insulating resins	see QP 400
Conveyor Belt & Rubber Repair resin	see QP 500

### RESPONSIBILITY & AUTHORITY

**Site Foreman:** PPE – Protective Gloves – Safety Glasses – Respiratory Mask

**Supervisor:** PPE – Protective Gloves – Safety Glasses – Respiratory Mask

**Applicator:** Carries out this procedure

### RELATED DOCUMENTS

<b>TDS:</b>	Consult the relevant documentation.
<b>MSDS:</b>	Consult the relevant documentation.
<b>QP:</b>	Consult the relevant documentation.

### ABBREVIATIONS & DEFINITIONS

**PPE:** Personal Protective Equipment.

**TDS:** Technical Data Sheet.

**MSDS:** Material Safety Data Sheet.

**QP:** Procedures.

### PROCEDURE

General Purpose Adhesives:	see QPx 100
Wearing Compounds:	see QPx 200
Ceramic Tile Adhesives:	see QPx 300
Electrical Insulating resins	see QPx 400
Conveyor Belt & Rubber Repair resin	see QPx 500

**Request information from Elite Chemical Industries for QP/QPx/TDS/MSDS documentation. Email: [info@elitechemicalindustries.co.za](mailto:info@elitechemicalindustries.co.za)**



## Elite Chemical Industries 50 YEARS of Excellence

Elite Chemical Industries is a leading manufacturer and supplier of epoxy, polyurethane resin systems. Our vast product range consists of adhesives and wear-resistant coatings for various applications, this includes but is not limited to, mining and quarrying, foundry casting, potting/encapsulating resins for electrical and electronics industries, general and civil engineering.

With over 50 Years of manufacturing excellence, we maintain a solid commitment to research and development to create new and more advanced products.

### DISTRIBUTOR



# ELITE CHEMICAL INDUSTRIES



+27 11 864 4620



info@elitechemical.co.za



www.elitechemicalindustries.co.za



23 Barium Str, Alrode, Ext 7, Gauteng, South Africa

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