**Method Statement**

**Activity Using epoxy resin**

**Location Workshops and on stage**

**Staff allowed Members of the following departments once trained:**

Props, Scenic Construction, Paintshop

**Students allowed** Year Ones Not allowed

Year Two Allowed once trained

Year Three Allowed once trained

# Risk Rating B Second person in the area, member of staff nominally supervising

# 

**Special notes It is important to avoid all skin contact with epoxy resin, hardener, and working mixtures, and to avoid exposing other people to the risk of skin contact. Most of the measures required by this MS are intended to minimise the risk of such contact. If contact does occur, clean** **the affected area immediately with Resin Removing Cream. Contaminated clothing should be removed immediately**

**Date of creation:** July 2006

Reviewed: March 2014

Jan 2016

Jan 2019

May 2020

**Tasks, Associated Hazards, *Action to be taken to avoid hazards***

**1. Approved Tasks use of epoxy resin as an adhesive or as a casting or laminating resin**

**2. Before Use.**

* + - *always wear nitrile gloves when handling resin and hardener bottles unless still factory-sealed*
    - *prepare a mixing area of at least two layers of newspaper or similar paper on a clear, level, stable surface. Keep all bottles, containers ,pots and mixing sticks on this*
    - *place signage (“Epoxy resin – do not touch”) prominently around mixing area and work area*
    - *check resin removing cream is at hand – do not use resin if cream is not available*
    - *plan work bearing in mind pot life of resin*
    - *ensure all materials and equipment are at hand*
    - *ensure fresh gloves are at hand in case they are needed*

**3. During use**

* + - *concentrate on the task*
    - *don’t mix up more resin than you know can be used in the time available. Larger mixes have shorter pot life – if necessary divide between several shallow containers. If unsure make a series of small mixes*
    - *if resin starts to cure in the pot, spread thinly on paper or on sides of container and put on one side until cured. If a mix starts to overheat in the pot, do not panic. Place pot in bucket in sink and cover with cold water. Do not breath vapour from overheating resin*
    - *change contaminated gloves for fresh ones whenever necessary*

4**. After use**

* *leave all contaminated gloves, pots, and other equipment in one place (e.g. mixing area) until cured and leave signage in place. Do not put contaminated material in bins until resin is cured*
* *clear up any spillages carefully. Remove spillages of unmixed resin or hardener with acetone or resin removing cream*
* *Any sanding, grinding, or other machining of the cured resin should be left as long as possible after the initial cure. Never power sand or grind an epoxy mixture less than twelve hours old. Always wear work gloves, goggles, and a disposable P2 dust mask when power sanding or grinding cured epoxies*

**5. Weekly checks (**not applicable)

**6. Noise** is not considered to be a problem with these materials

**7. P.P.E. and clothing**

* + - *nitrile gloves must be worn at all times when handling, mixing or using epoxy resin or hardener, with the exception of handling of factory-sealed bottles*
    - *goggles must be worn when measuring out and mixing resin and hardener*
    - *a dust mask must be worn when measuring out and mixing lightweight fillers such as colloidal silica*