

Chemical name:-
1,5-Diazabicyclo[4.3.0]non-5-ene

Name of the user:- Dr. Akanksha Singh

Faculty in charge:- Prof. V. Ramgopal Rao

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Precautions:

Precautions for safe handling-

- Avoid inhalation of vapor or mist.
- Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities-

- Store in cool place.
- Keep container tightly closed in a dry and well-ventilated place.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Air and moisture sensitive.
- Light sensitive.

Operating procedure for chemical usage:

Detailed procedure of usage: To synthesis OSTE polymeric material having advance properties as compare to SU-8 & PDMS.

To prepare OSTE several steps are involve:

- Thorough mixing (Physical & Sonication) of Allyl, Epoxy, Thiol & Photoinitiator and putting in the oven at 75° for 60 min.
- Irradiation of OSTE prepolymer with a table top UV-lamp (flood exposure).
- Pre-cured samples immediately put in the oven at 75° for 4 hr to cure completely.

• **Equipment Required:** Oven, Mask aligner (Flood exposure), Weighing machine, Stop watch, Sonicator.

• **Users:** Akanksha Singh: asingh@iitb.ac.in Mob: 8879268717

Disposal

Waste treatment methods

Product

Non-recyclable solutions

Contaminated packaging

Dispose of as unused product.