

DECAP

General:

FOR DECAPSULATION OF EPOXY PACKAGED ASSEMBLIES. Decap is a powerful blend of solvents designed for the removal of cured epoxy systems. It is particularly effective against transfer molded epoxy systems. Decap is not a true solvent for the epoxies but causes disintegration of these cured systems by stretching and breaking the cured materials. Decap is neutral, containing neither acids nor bases, and will therefore not effect electrical parameters of active components, including silicon.

Applications:

1. Decap will disintegrate most epoxy systems when used hot (150°C). It is not selective and will attack most thermoplastic materials, wire coatings and many thermoset coatings and materials.
2. Decap will disintegrate the following materials: Epoxy Molding Compounds: Fiberite E9451; Pacific Resins EMC 90; Hysol MG5F. Epoxy Casting Compounds: Shell 828/Z hardener, Emerson & Cumming 2850 FT/24 LV, Ecco Foam EFF, Ciba 6010/Methyl Nadic.

Specifications:

Physical Form	Clear pink (Fading of pink color does not effect purity or effectiveness of Decap)
Specific gravity	1.1
Boiling point	372°F
Flash point	203°F (OC)
Autoignition Temp	572°F

Directions For Use:

1. Pour Decap into glass, aluminum or stainless steel beaker. Immerse component completely. Place container on hot plate and heat to 150°C (302°F). Do not use open flame or oven. Decap may be used at lower temperatures but must be used hot for the transfer molded epoxies. Use maximum heat that the component can withstand up to 150°C for fastest decapsulation. An exhaust hood is recommended to draw fumes away from the operator.
2. After epoxy has been removed from components, allow solution to cool to room temperature. Use metal tongs to remove component from Decap. Wash component in water, isopropyl alcohol or MEK to remove Decap.
3. Note: Store above 70°F. Decap has a tendency to crystallize below 60°F. Warming above 70°F will dissolve the solids. Freezing does not effect the stability or effectiveness of Decap.
4. Decap will cause epoxy to flake off. Filtering off solid material will allow you to reuse the solution. Upon heating the solution will darken. Silver and tinned leads have a tendency to tarnish upon prolonged heating in Decap. Original luster can usually be restored by using household cleanser such as Ajax.

Caution:

Avoid contact with skin and eyes. Use rubber or polyethylene glove to prevent skin contact. If Decap does get on skin, wash immediately with cold water. Use with good ventilation, preferably in an exhaust hood. Avoid prolonged breathing of vapors. Refer to the MSDS before use or disposal.