Product Datasheet

SP&S
Specialty Polymers and Services

UltraStrip® X65

Chemical Stripper for Epoxy, Urethane, & Other Polymeric Materials.

UltraStrip X65 is a powerful chemical stripper that will remove most polymeric adhesives, coatings, sealants, and encapsulants. It is very effective against room temperature cured epoxy and urethane systems and also effective against most heat cured epoxy and urethane systems. It does not attack most transfer-molded or novolac epoxy system and may not be effective for aromatic amine cured systems.

Ultra Strip X65 is not selective and will attack thermoplastic materials and wire coatings. It will also discolor and etch aluminum. Polymer based materials that are immersed in the stripper will swell, soften, and partially or completely dissolve. The thickness of the polymer and the amount of surface area in contact with the stripper will affect the speed at which the stripper will act. For most polymers the UltraStrip X65 will cause a permanent chemical breakdown that causes the polymer to crack and flake into piece or converts the polymer into a soft gelatin like material that can be brushed away.

TYPICAL PROPERTIES

Visual Appearance	Clear light yellow to orange liquid
Density, g/ml	1.28
Flash Point	None
Boiling point	40°C / 104°F
Evaporation rate at 23°C*	0.7

* Note: evaporation rate is determined relative to the evaporation rate of a reference solvent called Butyl Acetate – on this scale Isopropanol (IPA) has a value of about 2 and water has an evaporation rate of about 0.3. Evaporation rates vary with temperature, atmospheric pressure, air flow over the surface, and other variables.

Suggested Application Methods:

IMPORTANT – PRE-TESTING is suggested before use: Since each application is different, we advise testing a representative sample before wider use begins.

Pour the UltraStrip X65 into a glass or Stainless Steel container. Keep covered to prevent evaporation of the chlorinated solvents in the stripper. Immerse parts to be stripped in the solution. It is sometimes helpful to suspend the parts being stripped so that as the polymer flakes off that it can fall to the bottom of the contain exposing additional polymer surface and preventing re-deposition onto the part. For coating

layers that are 10 mils or less (0.010") only 30 – 60 minutes may be needed to remove the material. For more resistant materials or thicker layers, allow to soak, but check every 1- 2 hours and remove any loosened or gelatinized material with an acid brush, tweezers or other tools. When the polymer has been completely stripped, wash the part in water and dry before re-applying any new polymers to the surface.

If the part cannot be immersed, apply the UltraStrip X65 drop wise onto the sections to be removed. Re-apply frequently to keep the areas wet and brush or scrape away the polymer as it is softened or lifted by the stripper. When all of the polymer that you wish to remove has been stripped, wash the part in water and dry before re-applying any new polymers to the surface.

Incompatible or possibly incompatible materials:
Uncured marking inks – will dissolve in the UltraStrip X65.
Polystyrene & Styrofoam – will dissolve in the UltraStrip X65.
Polycarbonate – will craze, crack, and/or dissolve in the UltraStrip X65.
Nylon and ABS are likely to swell and weakened by extended exposure.

Storage Guidelines:

Protect from heat and flames and store below 35C. Keep tightly sealed when not in immediate use. Store only in the Polypropylene, Glass, or Steel containers as the strip will attack or corrode most of packaging materials.

Handling Precautions:

Mandatory and recommended industrial hygiene procedures should be followed whenever these products are being handled and processed. For additional information please consult the corresponding material safety data sheets. **Keep out of reach of children! Do Not Use until MSDS is read & Understood!**

Personal Hygiene:

UltraStrip X65 -CORROSIVE! Harmful if inhaled. Harmful if swallowed. Keep away from heat and flame. Avoid contact with eyes and skin and wear gloves and safety goggles, and protective clothing when handling. Use only in areas with excellent ventilation to control fume and vapors. Read MSDS prior to use.

First Aid

In case of contact:
Skin - Wash skin thoroughly with mild soap and water. Remove contaminated clothing and wash before reuse. Discard contaminated shoes and other articles made of leather. **Eyes** - Flush eyes with plenty of water for 15 minutes and get prompt medical attention. **Inhalation** - Remove person to fresh air. **Ingestion** - Do not induce

vomiting. Dilute with plenty of water and contact physician immediately. Never give anything by mouth to an unconscious person. **In case of fire:** Use water to spray, dry chemical or carbon dioxide extinguisher.

Disclaimer:

IMPORTANT: The following supercedes Buyer's documents. **SELLER / MANUFACTURER MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE**. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller / Manufacturer be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict liability, tort or contract arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results presented are based on controlled or laboratory work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended

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