A LIQUIGUARD™ Product
Protection Without Pollution

BIOSTRIP

Bio-Stripper

BIOSTRIP is a novel blend of environmentally friendly compounds formulated into a non-toxic, highly effective paint stripping system. This unique product contains 15% bio-renewable carbon and its high loading capacity allows it to be filtered and reused. **BIOSTRIP** is an excellent alternative to hazardous and low flash point materials such as methylene chloride, NMP and acetone that are commonly used for stripping applications.

Physical & Chemical Properties:

➢ Sp. Gravity @ 20°C	1.04 - 1.06	➢ Appearance	Clear, green liquid
➢ Initial Boiling Point	> 100°C (212°F)	➢ Solubility in Water	Slight
➢ Flash Point	91°C (195°F) est.	➢ Odor	Sweet
➢ Evaporation Rate	<1 (n-BuOAc =1)		

Performance Characteristics:

- Ideal for removing acrylics, enamels, epoxies, lacquers, latexes, moisture-cured coatings and urethanes from most substrates.
- High flash point.
- High loading capacity makes **BIOSTRIP** last longer.
- Low evaporation rate allows for long stripper on substrate dwell times and lower volume use due to fewer reapplications resulting from solvent evaporation before the coating is removed.
- Will not harm aluminum, composites, concrete, metal, steel or wood.

Toxicological & Environmental Profile:

- Contains no carcinogenic or toxic compounds.
- Contains no peroxides, methylene chloride, NMP or other dangerous chemicals.
- Contains no ozone depleting chemicals, no hazardous air pollutants (HAPs) and no global warming compounds.
- No SARA reportable components.
- Readily bio-degradable.
- VOC compliant per EPA and CARB regulations.

BIOSTRIP at Work:

BIOSTRIP is a solvent blend and performs its stripping function differently from industry standard strippers like methylene chloride or NMP. Bio-strippers like **BIOSTRIP** need time to work as the stripping mechanism is different from petroleum-based solvents. **BIOSTRIP** penetrates paints and coatings and works by breaking the bond between the coating and the substrate. Petroleum-based strippers work by dissolving the coating which ultimately creates a time and material consuming mess. Thus, it is important to give **BIOSTRIP** time to delaminate the paint or coating from the substrate.

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APPLICATION

Flat or vertical surfaces:
Apply 1-2 mils of stripper to substrate. Allow sufficient time forpaint to lift off. Remove with a plastic paint scraper. Typically a dwell time of 45 to 60 minutes is sufficient for waterborne 2-part urethanes and other coatings. Dwell times needed to remove coatings are dependent on the coating's thickness, type and age, as well as the porosity of the surface. A second stripper application may be necessary in some cases.

Dip/Immersion tank applications:
Soak coated materials in **BIOSTRIP** (ambient temperature) until coating blisters or falls off. Intricately detailed parts may require mild brushing to remove coating from the design's crevices.

Performance Data:
The data below outlines typical performance of **BIOSTRIP** for removing various types of coatings. Removal time will vary depending on coating thickness and surface temperature.

➢ **Acrylic coating (12 mils)**	**Strip time = 20 to 30 minutes**
➢ **Acrylic (12 mils) over elastomeric (8 mils)**	**Strip time = 3 hours**
➢ **Moisture-cured epoxy**	**Strip time = 10 to 20 minutes**
➢ **2 Part waterborne epoxy**	**Strip time = 45 to 60 minutes**
➢ **Oil & water stains, transparent or pigmented**	**Strip time = 20 to 30 minutes**
➢ **Oil Based Enamel**	**Strip time = 20 to 30 minutes**
➢ **Polyurethane**	**Strip time = 45 to 60 minutes**