# A LIQUIGUARD Product





**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
- Initial Boiling Point > 100°C (212°F)
- Flash Point
   91°C (195°F) est.
- Evaporation Rate <1 (n-BuOAc =1)</p>
- Appearance
- Solubility in Water
  - Odor

- Clear, green liquid Slight
- Sweet

#### 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 **BIO-STRIP** 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)
- Acrylic (12 mils) over elastomeric (8 mils)
- > Moisture-cured epoxy
- > 2 Part waterborne epoxy
- Oil & water stains, transparent or pigmented
- Oil Based Enamel
- > Polyurethane

Strip time = 20 to 30 minutes Strip time = 3 hours

Strip time = 10 to 20 minutes Strip time = 45 to 60 minutes Strip time = 20 to 30 minutes

Strip time = 20 to 30 minutes Strip time = 45 to 60 minutes

