

# Technical Data Sheet



**Culver International Ltd**

**Dynaloy European Manufacturers Agent**

Establishing Distributors and Maintaining  
The European Network for Dynaloy, Inc.



**Engineered Chemistries**

**ISO 9001:2000**

## PUR-STRIP 300

PUR-Strip 300 is an extremely aggressive cleaning solvent for urethanes. It was developed for use in removing cured urethane residues from various types of polyurethane processing equipment.

### General

PUR-Strip 300 is a non-chlorinated, nonflammable (per DOT), non-carcinogenic, non-ozone depleting solvent designed to replace chemicals such as methylene chloride, acetone, MEK, and 1,1,1-trichloroethane. It has the benefit of being safer in the workplace and friendlier to the environment. Many alternative soaking solvents used in this application are based on solvents such as n-methyl pyrrolidone (NMP), dibasic ester (DBE), and dimethyl formamide (DMF) while the PUR-Strip 300 is based on completely different chemistry. This new chemistry, when combined with various glycol ethers and alkalinity sources, produces a very effective polyurethane remover that is safe to handle. PUR-Strip 300 will attack aluminum so use Dynasolve CU-5, Dynasolve 711, or Dynasolve 180 if aluminum is present on the part.

### Applications

1. The PUR-Strip 300 is especially effective for removal of cured urethanes from processing equipment.
2. It is effective in removal of all types of urethanes: flexible, rigid, elastomer, or molded; inks or paints. Effective for both MDI and TDI esters and ethers.
3. PUR-Strip 300 works by actually dissolving the polyurethane.
4. PUR-Strip 300 is not safe for use with aluminum.

### Specifications

<b>Color:</b>	Colorless to light amber
<b>Specific Gravity:</b>	0.96
<b>Boiling Point:</b>	>338°F
<b>Flash Point:</b>	>150°F (lowest flashing component)

### Directions For Use

**For Cleaning:** Immerse parts to be cleaned in PUR-Strip 300. Let soak until residue is dissolved or it is loosened and can be wiped or brushed off. Then rinse parts with water and dry. The use of ultrasonics will produce faster results. Mechanical filtering of larger urethane particles using a cheesecloth or metal mesh filter will help extend the life of the solvent. Do not allow PUR-Strip 300 to come into contact with liquid isocyanates or prepolymers, as it will lead to gelling of the solvent.

### Materials of Construction

<b>Recommend:</b>	Teflon, butyl rubber, silicon rubber, Kalrez, mild steel, Halar, melamine, Nylon 101, polyethylene, polypropylene
<b>Avoid:</b>	Viton, PVC, ABS, Buna-N, Durel, Hypalon, Kynar, Lexan, Lucite, Neoprene, Noryl EN-265, Noryl 731, PET, phenolic, polyester, polysulfone, polyurethane, Ultem, Valox, Aluminum

### Caution and Warnings

PUR-Strip 300 contains powerful organic solvents. It is harmful if inhaled or swallowed. Avoid breathing vapors or mist. Keep away from heat and flame. Avoid contact with eyes and skin. Wear gloves, safety glasses, and protective clothing when handling. Use with adequate ventilation. Refer to MSDS before use, for disposal, or additional safe handling.

The information in this sheet is based upon our own research and is considered accurate. However, we make no warranty either expressed or implied regarding accuracy and results to be obtained, because operating conditions of users are beyond our control.

Last Revised By: Chris Flack  
Last Revision Date: 06/15/04