

# 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**

## DYNASOLVE CU-6

Dynasolve CU-6 is a unique flushing and cleaning solvent for urethanes. It is indispensable in a wide variety of cleaning applications in the urethane, converting, and engineered wood industries.

### General

Dynasolve CU-6 is a non-gelling, higher flash point version of Dynasolve CU-5, and is recommended for both flushing and cleaning, especially in applications in which liquid isocyanates are present either prior to cleaning, or will be introduced after cleaning (such as in a mixing tank).

Dynasolve CU-6 is non-chlorinated, nonflammable (by U.S. Department of Transportation definition), non-carcinogenic, and non-ozone depleting. It replaces and improves on the performance of commodity solvents such as methylene chloride, acetone, methyl ethyl ketone (MEK), and 1,1,1-trichloroethane. Dynasolve CU-6 can be used for extended periods, tolerate high resin loadings, and will reduce disposal costs. It is also recyclable via vacuum distillation.

### Applications

1. Dynasolve CU-6 is especially effective for flushing mixing and metering equipment and feed lines, as it quickly and completely cleans polyols, crystallized isocyanates, and other urethane intermediates. However, in cleaning of isocyanate sides of equipment, Dynasolve Iso-Neutralizer should be used first if excessive only amounts of liquid isocyanates are present. Dynasolve CU-6 will not gel in contact with liquid isocyanates, but if limited amounts are present.
2. Dynasolve CU-6 is very effective in penetrating, loosening, and removing cured urethane foam deposits and build-up from mixing heads, troughs, conveyor parts, side walls, rollers, foam cutting devices and molds.
3. Dynasolve CU-6 will remove all types of urethanes: flexible, rigid, elastomers, molded, and adhesives. It is effective for both MDI and TDI esters and ethers.
4. Dynasolve CU-6 will quickly and completely clean residual cured polyurethane reactive hot melt (PURHM) urethane adhesives from roll coating equipment. It will also remove these same reactive hot melts from dispensing equipment.
5. Dynasolve CU-6 is excellent for the removal of polymer-based inks from rollers in flexographic printing equipment.
6. When heated, Dynasolve CU-6 will also clean many types of epoxies and other adhesives.

### Specifications

<b>Color:</b>	Clear
<b>Specific Gravity:</b>	1.06
<b>Boiling Point:</b>	>392°F
<b>Flash Point:</b>	210°F

### Directions For Use

1. **For Flushing:** Use Dynasolve CU-6 as you would normally use any other flushing solvent. Mild heating of the solvent will product faster results. The use of compressed air for agitation of the solvent will also help to facilitate cleaning. If excessive amounts of liquid isocyanates are present, Dynasolve Iso-Neutralizer must be used first. Failure to use the Iso-Neutralizer may lead to gelling of the flushing solvents
2. **For Cleaning:** Immerse parts to be cleaned in Dynasolve CU-6. Let soak until residue is loosened and can be wiped or brushed off. Then rinse parts with water and dry. Mild heating of the solvent to 130-150 °F, and/or 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. For the most difficult applications, more aggressive (reactive) solvents are available. Please contact Dynaloy for more information on these products.

### Materials of Construction

<b>Recommend:</b>	Teflon, butyl rubber, silicon rubber, Kalrez, mild steel, Halar, melamine, Nylon 101, polyethylene, polypropylene, Ryton (150°F or less).
<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.

### Caution and Warnings

Dynasolve CU-6 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.

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