

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-5

Dynasolve CU-5 is a unique 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-5 is recommended for cleaning cured urethanes and crystallized isocyanates. Dynasolve CU-5 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-5 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-5 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.
2. Dynasolve CU-5 will remove all types of urethanes: flexible, rigid, elastomers, molded, and adhesives. It is effective for both MDI and TDI esters and ethers.
3. Dynasolve CU-5 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.
4. Dynasolve CU-5 is excellent for the removal of polymer-based inks from rollers in flexographic printing equipment.
5. When heated, Dynasolve CU-5 will also clean many types of epoxies and other adhesives.
6. Dynasolve CU-5 can be used to remove urethane residue build-up from molds.
7. Dynasolve CU-5 has been assigned the national stock number NSN/LSN 6850-LL-076-7721 by the United States Navy.
8. Do not allow Dynasolve CU-5 to come into contact with liquid isocyanates or prepolymers, as it will lead to gelling of the solvent.

Specifications

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|--------------------------|--------|
| Color: | Clear |
| Specific Gravity: | 1.06 |
| Boiling Point: | >392°F |
| Flash Point: | 198°F |

Directions For Use

Immerse parts to be cleaned in Dynasolve CU-5. 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. Do not allow Dynasolve CU-5 to come into contact with liquid isocyanates or prepolymers, as it will lead to gelling of the solvent.

Materials of Construction

| | |
|-------------------|--|
| Recommend: | Teflon, butyl rubber, silicon rubber, Kalrez, mild steel, Halar, melamine, Nylon 101, polyethylene, polypropylene, Ryton (150°F or less). |
| Avoid: | 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-5 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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