

ALL-SOLVE

FLUSHING AND CLEANING SOLVENT FOR URETHANES

DESCRIPTION

ALL-SOLVE 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). **ALL-SOLVE** 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. **ALL-SOLVE** can be used for extended periods, tolerate high resin loadings, and will reduce disposal costs. It is also recyclable via vacuum distillation.

APPLICATION

APPLICATION INSTRUCTIONS

ALL-SOLVE 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, **ALL-SOLVE** will not gel in contact with liquid isocyanates, but only if limited amounts are present.

ALL-SOLVE 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.

ALL-SOLVE will remove all types of urethanes: flexible, rigid, elastomers, molded, and adhesives. It is effective for both MDI and TDI esters and ethers.

ALL-SOLVE 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.

ALL-SOLVE is excellent for the removal of polymer-based inks from rollers in flexographic printing equipment.

When heated, **ALL-SOLVE** will also clean many types of epoxies and other adhesives.

DIRECTIONS FOR USE

FOR FLUSHING

Use **ALL-SOLVE** as you would normally use any other flushing solvent. Mild heating of the solvent will produce 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, Iso-Neutralizer must be used first. Failure to use the Iso-Neutralizer may lead to gelling of the flushing solvents.

FOR CLEANING

Immerse parts to be cleaned in **ALL-SOLVE**. 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 cheesecloth or metal mesh filter will help extend the life of the solvent.

MATERIALS OF CONSTRUCTION

RECOMMENDED

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.

ALL-SOLVE

SPECIFICATIONS

Color: Clear
Specific Gravity: 1.06

Boiling Point: >392°F
Flash Point: 210°F

CAUTION AND WARNINGS

ALL-SOLVE 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.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your Pinnacle representative or visit our website for current technical data and instructions.

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