

## PUR-Flush 100, 200, 300

### General:

**SAFETY FLUSHING SOLVENTS.** The PUR-Flush products are engineered solvent blends that were developed for use in flushing urethane residues from various types of polyurethane processing equipment. The unique chemistry of the PUR-Flushes provides a product with a high flashpoint that does not leave excessive residue behind after flushing. Many flushing solvents available today, such as Dibasic Esters (DBE) and N-methyl pyrrolidone (NMP) will leave excessive amounts of solvent behind on the mix head after flushing. This often causes a problem during the pouring of the next part, especially if the parts are small. The PUR-Flush products significantly reduce the amount of solvent left behind after flushing. For companies using a pre-shot to eliminate contamination, the pre-shot step may be replaced by a simple air purge. PUR-Flush 100, PUR-Flush 200 and PUR-Flush 300 are non-chlorinated, nonflammable (per DOT), non-carcinogenic, non-ozone depleting solvents designed to replace solvents such as methylene chloride, acetone, MEK, and 1,1,1-trichloroethane. They have the benefits of being safer in the workplace and friendlier to the environment.

### Applications:

1. The PUR-Flushes are especially effective for flushing mixing and metering equipment and feed lines.
2. They are effective in flushing all types of urethanes: flexible, rigid, elastomer, or molded. Effective for both MDI and TDI esters and ethers.
3. The PUR-Flush solvents are distinguishable by amount of residue left on parts after flushing, cleaning ability and cost. Consult the properties table below for details.

### Specifications:

|                         | PUR-Flush 100            | PUR-Flush 200            | PUR-Flush 300            |
|-------------------------|--------------------------|--------------------------|--------------------------|
| Color:                  | Colorless to light amber | Colorless to light amber | Colorless to light amber |
| Specific Gravity:       | 0.86                     | 0.96                     | 0.88                     |
| Boiling Point:          | >350°F                   | >340°F                   | >330°F                   |
| Flash Point:            | >150°F                   | >150°F                   | >150°F                   |
| Cleaning effectiveness: | good                     | better                   | best                     |
| Elimination of residue: | good                     | fair                     | good                     |
| Cost:                   | lowest                   | lower                    | low                      |

### Materials of Construction:

*Recommended:* Teflon, butyl rubber, silicon rubber, Kalrez, steel, Halar, melamine, Nylon 101, HDPE, polypropylene, Viton; all of these materials are compatible with all PUR-Flush solvents

*Avoid:* Please contact Dynaloy to determine if a material is compatible with a certain PUR-Flush solvent.

### Caution:

Safety goggles and impervious gloves should be worn when handling any industrial chemical, including the PUR-Flush 100, 200 and 300. Refer to MSDS before use, for disposal, or additional safe handling.