

# **SURF X<sup>TM</sup> FLUSH** **2000**

Polyurethane Foam, Resin & Coating Remover

## Product Overview

SURF X FLUSH 2000™ is an efficient cleaning solution formulated for flushing, low-pressure spraying, immersion cleaning, and wiping tasks in polyurethane processing equipment.

The product removes buildup from hardened ISO (A) lines, hoses, overspray, and resin contamination, and dissolves a wide range of polyurethane and resin-based materials.

Maximum flushing time: 4 hours. **Do not leave SURF X FLUSH 2000™ in the system overnight.**

## Applications

SURF X™ FLUSH 2000 is designed for cleaning and flushing of:

**Isocyanate Processing Systems:** ISO (A) lines, hoses and feed systems

**Mixing & Pumping Equipment:** Mixing heads, gear pumps and holding tanks

**Foam Processing Equipment:** Foam molds, curing devices, conveyors, rollers and troughs

**Industrial Systems:** Spray foam and adhesive processing equipment

## Features & Benefits

### **Performance:**

High resin and polymer loading capacity with residue-free cleaning.

### **Efficiency:**

Low evaporation formulation is recyclable via vacuum distillation, reducing disposal costs.

### **Compatibility:**

Non-corrosive and compatible with most metals, plastics, glass and ceramics.

### **Solvent Replacement:**

Replaces solvents such as NMP, BLO, Acetone, MEK, Methylene Chloride, PM Acetate and 1,1,1-Trichloroethane.

## Operating Guidelines

### **Flushing**

Use **full strength at room temperature** (do not heat). Circulate **2–3 gallons** through ISO (A) lines until solvent runs clear (**maximum 4 hours**). Perform final rinse with **2–3 gallons NZD ISO FLUSH™**. **Do not reuse spent solvent.**

### **Immersion Cleaning**

Use **full strength** at room temperature or heated to **140°F max** for cleaning mixing heads, gear pumps, molds, rollers, tanks and other foam processing components.

**Maximum flushing time: 4 hours. Do not leave the product in the system overnight.**

## Environmental Profile

- Low VOC • Nonflammable • Low Toxicity • Noncorrosive • Nonhygroscopic
- Nonhazardous • Contains No Ozone Depleting Substances (ODS)
- Contains No Hazardous Air Pollutants (HAPs)

## U.S. Regulatory and International Compliance

- No CA Proposition 65 Listed Ingredients
- No SARA 311/312/313 Reportable Components
- REACH Compliant

## Stability & Material Compatibility

This product is stable under normal storage conditions and compatible with carbon steel, stainless steel, and aluminum alloys.

## Typical Physical & Chemical Properties

Property	Specification
Appearance (physical state, color)	Clear liquid, Colorless to slight amber
Odor	Mild Organic Ester
pH	6.8 – 7.8 (50% solution in water @ 68°F)
Boiling point @ 760 mmHg	356 – 396 °F (180 – 202 °C)
Flash Point	169 °F (76 °C) Pensky-Martins Closed Cup
Evaporation rate	0.02 (n-Butyl acetate = 1)
Vapor Pressure (components)	0.20 - 0.90 @ 25 °C [mm Hg]
Relative density (Specific Gravity)	0.980 – 0.984 @ 68 °F (20 °C)
Solubility	Completely miscible in water
Viscosity	Water thin @ 68 °F
Weight per gallon	8.2 lb/gal
VOC (EPA Method 24)	10.576 %
VOC content	103.90 g/L (0.867 lb/gal)
Normal working concentration	Full strength
HMIS Rating	Health: 2   Fire: 2   Reactivity: 0
Operating temperature	Room temperature to a maximum of 140 °F
Recycling parameters (Vacuum Distillation)	300 °F at 27 mm Hg
Product #	02-W189568

## Material Compatibility (Seals, Hoses & Pump Packing)

### Recommended Materials:

Butyl rubber, Halar®, Klarez®, melamine, mild steel, nylon, polyethylene, polypropylene, Ryton®, silicone rubber, Teflon®.

### Materials to Avoid:

ABS, Buna-N, Durel®, Hypalon®, Kynar®, Lexan®, Lucite®, Noryl® (EN-265, 731), PET, phenolic, polyester, polysulfone, polyurethane, PVC, Ultem®, Valox®, Viton®.

## Safety & Handling

It causes serious eye and mild skin irritation. If swallowed, it poses an aspiration hazard. Avoid contact with skin, eyes, and clothing. Keep away from heat and ignition sources. **Do not heat.** Use appropriate PPE (gloves, goggles, protective clothing). **See the SDS for complete information.**

## Packaging & Storage

**1 Gallon HDPE Container • 5 Gallon HDPE Pail • 55 Gallon Steel Drum**

