

**NZD ISO FLUSH™ Isocyanate Resin Cleaner & Neutralizer** is highly effective in Flushing excess Liquid Isocyanate from processing equipment (feed lines, feed tanks, mixing and metering equipment), as well as loosening and removing partially crystalized isocyanate residue and build-up from equipment and parts. No need to pre flush Part (A) with Mineral Oils prior to using **NZD ISO FLUSH™**.

**NZD ISO FLUSH™** effectively removes

- ∅ Liquid & semi hardened Isocyanate Part (A), Polyol Part (B), Cured Polyurethane Reactive Hot Melt Adhesives from roll coating equipment & dispensing equipment, as well as many other Industrial Adhesives.
- ∅ Industrial Resins such as: Polyester, Vinylester, Epoxy and Pigmented Gel Coats, as well as, Fiberglass and Resin Mixture.
- ∅ Coatings such as, High & Low Solid Aliphatic, Water Born Epoxy Primers, Polyurethane, Acrylic, Varnishes and Alkyl Enamel.

## Environmental

### Does NOT Contain Raw Materials

- ∅ Listed on NJ Community Right to Know Environmental Hazardous Substance (EHS) List
- ∅ Listed on ARA Title 313
- ∅ Known to the State of California (Prop 65) to cause cancer, birth defects or other reproductive harm
- ∅ Listed on section 112(b) of Hazardous Air Pollutants (HAPs)
- ∅ Listed on REACH Annex
- ∅ Listed on Ozon Depleting Chemicals
- ∅ **REPLACES** solvents such as NMP, Acetone, MEK, Methylene Chloride, and 1,1,1-Trichloroethane

## Features & Benefits

- ∅ High resin & polymer loading - can be used for an extended period
- ∅ Recyclable via vacuum distillation- resulting in reduced disposal costs
- ∅ Residue free - No Rinsing required
- ∅ Low VOC's • No ODC's • Non HAPs • Non-Flammable
- ∅ Due to its low vapor pressure and high boiling point - it evaporates 237 times slower than Acetone and MEK; 600 times slower than Methylene Chloride. Therefore, whatever quantity you purchase, you will use and not loose to evaporation.

## Direction for Use

### Flushing

Use full strength at room temperature, **Do Not heat this product**. Charge **NZD ISO FLUSH™** into isocyanates feed tank / feed line and CIRCULATE to remove free isocyanate remaining in tank, pump, and other components. If needed, purge the system once again with fresh **NZD ISO FLUSH™** to purge the free isocyanate. No need to pre-flush Part (A) with Mineral Oil prior to using **NZD ISO FLUSH™**.

## Typical Physical & Chemical Properties

|   |  |  |                                      |
|---|--|--|--------------------------------------|
| <b>Appearance</b>                         | Clear Liquid                               | <b>Surface Tension (dynes/cm 24)</b>                 | 24                                   |
| <b>Flash Point</b>                        | 147.50 °F Seta Flash                       | <b>(water = 1.0):</b>                                |                                      |
| <b>Odor</b>                               | Mild Organic Ester                         | <b>Specific Gravity (@ 68 °F)</b>                    | 0.0895 - 0.900                       |
| <b>pH (50% solution in water @ 68 °F)</b> | 6.8 - 8.2                                  | <b>Weight/Gal.</b>                                   | 7.5 (lbs. /gal.)                     |
| <b>Surface Tension</b>                    | 24(dynes/cm 24) (water = 1.0)              | <b>VOC Content</b><br>(ASTM D-2369, Method 24)       | 5.9 lbs. / gal or<br>669 grams/liter |
| <b>Ideal Operating Temp (°F)</b>          | Room Temperature<br>Do Not Heat or Atomize | <b>Recycling Parameters</b><br>(Vacuum Distillation) | 300°F & 27 mm Hg<br>Pressure         |
| <b>Ideal Operating Concentration</b>      | Full Strength                              | <b>HMIS Rating:</b>                                  | Health = 2; Fire = 2; Reactivity = 0 |
|   |  | <b>Product / Part #</b>                              | 02-W359585                           |

### RECOMMENDED MATERIALS TO USE FOR; O-Rings, Gaskets, Hoses And Pump Packaging

|                |            |               |
|----------------|------------|---------------|
| Teflon         | Mild Steel | Polyethylene  |
| Butyl Rubber   | Halar      | Polypropylene |
| Silicon Rubber | Melamine   | Ryton         |
| Klarez         | Nylon 101  |               |

### MATERIALS TO AVOID

|       |              |           |              |         |
|-------|--------------|-----------|--------------|---------|
| Viton | Phenolic     | PET       | Noryl EN-265 | Lucite  |
| ABS   | Polyurethane | Lexan     | Noryl -731   | Hypalon |
| Durel | PVC          | Valox     | Polysulfone  |         |
| Kynar | Buna-N       | Polyester | Utem         |         |

### Safety & Handling Precautions

Refer to SDS for use, disposal and additional safe handling

Direct contact of **NZD ISO FLUSH™** will cause a serious eye irritation or skin irritation. It is important to utilize recommended gloves (natural rubber), safety goggles and other suitable protective clothing your company recommends. Aspiration hazard if swallowed. Keep liquid and vapor away from heat, sparks and flames. Keep container closed. Use with adequate ventilation. **DO NOT** take internally. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mist. Wash thoroughly after handling.

### Disposal

Refer to SDS for use, disposal and additional safe handling

Even though **NZD ISO FLUSH™** has a low order of toxicity, with a low risk of environmental harm. Effluent analysis is required for proper waste disposal. The spent material can be recycled via vacuum distillation on site or by a mobile reclamation service. **Discharge your distill bottom and screened out solids according to Federal, State and Local Regulations.**

### Packaging & Storage

HDPE UN Rated

1 Gallon EasyPour Jugs

5 Gallon Pails

55 Gallon Steel Drums (closed cap)

**GO GREEN™ Wipes** in an "Easy Carry Bucket" (90 12 " x 12" Polypropylene Saturated Wipes)

This product should be kept in its original container above freezing and less than 100 °F.

**Store drums in a dry area.**

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