GLOBAL SPECIALTY PRODUCTS USA INC.

# NZD ISO FLUSH™

## NZD ISO FLUSH™ Isocyanates Resin Cleaner

A Non Hazardous solvent based Isocyanate Resin Cleaner.

**NZD ISO FLUSH™** is highly effective in Flushing and Immersion cleaning of **Part A** excess liquid Isocyanate with or without solid material or **PART B** (Liquid Polyol) from processing equipment, feed lines and tanks, mixing and metering equipment), as well as, loosening and removing Liquid Isocyanate residues and build-up from spray equipment and parts.

**Effectively Removes:**

~ Cured Polyurethane Reactive Hot Melt Urethane 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.

DOES NOT CONTAIN raw materials known to State of California (Proposition 65) to cause cancer, birth defects, or any other reproductive harm.

DOES NOT CONTAIN raw materials listed on Section 112 (b) Hazardous Air Pollutants List. They

REPLACE Hazardous solvents such as, NMP, BLO, Acetone, MEK, Methylene Chloride

Non-Flammable, Non-Hazardous, Reduced VOC

**HIGH RESIN LOADING** - Can be used for extended period

**RECYCLABLE** via vacuum distillation, resulting in reduced disposal costs

**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. This means, whatever quantity you purchase, you will use.

## Application

**Flushing & Immersion**: Use **full strength at room temperature** (do not add water).

Pour **NZD ISO FLUSH™** into isocyanates feed tank / feed line and circulate to mix with free isocyanate remaining in tank, pump, or other components. Use several gallons of to purge the free isocyanate.

use **NZD ISO FLUSH™** to flush spray/chopper guns, pumps and resin lines, or use in a clean and totally DRY (free of moisture) metal container with a fitted lid.

Ultrasonic cavitation in an immersion tank will enhance the cleaning performance significantly. Be sure your ultrasonic tank is equipped with a temperature control thermostat.

Can also be applied by hand using **GO GREEN™ Saturated Wipes.**

## Typical Properties

| | |
|---|---|
| Appearance: | Clear liquid |
| Flash Point: | 147.50˚F Seta Flash |
| Odor: | Mild |
| pH (50% solution in water @ 68 ºF): | 6.2 - 6.5 |
| Surface Tension (dynes/cm 24) (water = 1.0): | 24 |
| Ideal Operating Temp (ºF): | Room Temp. Only Do Not Heat or Atomize |
| Ideal Operating Concentration: | Full Strength |
| Specific Gravity: | 0.895 - 0.900 (@68 ºF) |
| Recycling Parameters (Vacuum Distillation): | 300 ˚F and 27 mm Hg Pressure |
| VOC Content (ASTM D-2369, Method 24) | 5.9 Lbs. / Gallon or 669.0 grams / Liter |
| Weight/Gal. | 7.5 (lbs. /gal.) |
| Product # | 02-W359585 |

### Recommended Materials To Use For;
**O-Rings, Gaskets, Hoses And Pump Packaging**

* FEP-Teflon
* Butyl Rubber
* Buna-S
* Melamine
* Nylon 101
* Ethylene-Propylene Copolymer
* Kalrez
* Fluorosilicone Rubber
* Mild Steel
* Halar
* Ryton

### Material to Avoid Long Term

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

## Safety & Handling Precautions

Refer to Safety Data Sheet prior to use
**Use Rubber Gloves when handling this product.**
**Do not Heat or Atomize this product.**

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

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.**
***Per OSHA & EPA regulations.**

## HMIS Rating

| | |
|---|---|
| Health | 2 |
| Fire | 2 |
| Reactivity | 0 |

## Packaging & Storage

**HDPE UN Rated**

**1 Gallon Jugs**
**5 Gallon Pails**
**55 Gallon Steel Drums (closed cap)**
**GO GREEN™ Saturated Wipes (90 Polypropylene Wipes 12 " x 12" / Bucket)**

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

**Store drums in a dry area.**

**Global Specialty Products - USA, Inc.**
10 Eagle Avenue, Suite 500 - Mount Holly, New Jersey 08060-1649
Phone: 609-518-7577 Fax: 609-518-5277 www.gsp-usa-inc.com