GLOBAL SPECIALTY PRODUCTS USA INC | 30 YEARS SUSTAINABLE INNOVATION

NZD ISO FLUSH™

Isocyanates Cleaner & Neutralizer

Product Overview

NZD ISO FLUSH™ is a high-performance isocyanate cleaner and neutralizer formulated to remove liquid and semi-hardened isocyanate (Part A), polyol (Part B), cured polyurethane reactive hot-melt adhesives, and industrial resin buildup from processing equipment.

It effectively loosens partially crystallized isocyanate residue from feed lines, feed tanks, mixing and metering equipment, roll-coating systems, and dispensing systems. No pre-flushing with mineral oil is required.

Applications

- Liquid & semi-hardened Isocyanate Part (A)
- Polyol Part (B)
- Cured polyurethane reactive hot melt adhesives
- Polyester, Vinyl ester, Epoxy, and Pigmented Gel Coats
- Fiberglass and resin mixtures
- High and Low Solid Aliphatic Coatings
- Waterborne Epoxy Primers, Polyurethane, Acrylics, Varnishes, and Alkyd Enamels

Features & Benefits

- High Resin / Polymer Loading
- Replaces NMP, Acetone, MEK, and Methylene Chloride
- Low Rate of Evaporation

Flushing Procedure

Use Full Strength at room temperature. Do Not Heat this product.

- Place transfer pump in 2–3 gallons of NZD ISO FLUSH™.
- Recirculate through ISO (A) line up to 4 hours maximum or until clear.
- Push spent solvent and residue into the waste container. Do Not Reuse.
- Purge the system with fresh isocyanate before returning to service.
- **Maximum Flushing Time: 4 Hours - Do Not Leave the System Overnight**

Environmental Profile

- Low VOC • Nonflammable • Low Toxicity • Noncorrosive
- 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

Typical Physical & Chemical Properties

Property	Specification
Appearance	Clear liquid
Odor	Mild Organic Ester
Recommended Operating Temperature	Room temperature to a maximum of 140 °F
Normal Working Concentration	Full strength
Relative density (Specific Gravity)	0.895 – 0.9000 at 20 °C (68 °F)
Weight per Gallon	7.5 lb./gal
Solubility	Partially miscible in water
Viscosity @ 68 °F	Water thin
Vapor Pressure (components)	0.8000 mmHg at 20 °C (68 °F)
Boiling Point @ 760 mmHg	385 - 485 °F (200 – 251 °C)
Flash Point	147.50 °F (Seta Flash)
pH	6.8- 8.2 (50% solution in water @ 68°F)
Solubility in Water	Partially Miscible
VOC (EPA Method 24)	28.93%
VOC Content	260.06 g/L (2.17 lb./gal)
HMIS Rating	Health: 2 | Fire: 2 | Reactivity: 0
Recycling Parameters (Vacuum Distillation)	300 °F @ 27 mmHg Pressure
Product #	02-W359585

Stability & Material Compatibility

Stable under normal storage conditions.
Compatible with Carbon Steel, Stainless Steel, and Aluminum Alloys.
Preferred hose and gasket materials include Cork, Natural Rubber, Neoprene, EPR, Polyethylene, and Teflon.
Not recommended for mid- to long-term storage in Buna N, Hypalon, or Viton.

Material Compatibility – O-Rings, Gaskets, Hoses & Pump Packing

Recommended Materials

- Teflon • Mild Steel • Polyethylene • Butyl Rubber • Halar • Polypropylene
- Silicone 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 • Ultem

Safety & Handling

It causes serious eye and 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 and Shipping

- 1 Gallon EasyPour® Jugs, 5 Gallon Pails, 55 Gallon Steel Drums (closed cap).
- Go Green ™ Wipes (Easy Carry Bucket) 90 12 x 12 Polypropylene Saturated Wipes
- Store in original container above freezing and below 100 °F.
- Store drums in a dry area.
- Freight shipment via ground or LTL carriers.