

# CIRR D BOND™

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**Crystallized Isocyanates Resin Remover** is a low emission organic solvent-based “Non-Flammable”, Non-HAPs multipurpose Polyurethane Foam cleaner and Industrial Resin & Coating Remover. This product is free of Ketones, chlorinated solvents, aromatic and aliphatic hydrocarbons.

It is highly effective in Immersion cleaning of spray equipment, mixing and metering equipment and feed lines, as well as loosening, and removing fully cured and old urethane foam deposits and build-up from mixing heads, troughs, conveyor parts, side walls, rollers, foam cutting devices and molds. The product effectively removes fully cured and aged;

- ~ Polyurethane Foam (Reacted Part A & B), Flexible & Rigid Polyurethane Foam, both MDI and TDI esters and ethers, Polyurethane Reactive Hot Melt Urethane Adhesives from roll coating equipment & dispensing equipment, as well as, many other Industrial Adhesives.
- ~ Polyols, crystallized isocyanates, and other urethane intermediates.
- ~ **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.

However, in cleaning of isocyanate sides of equipment (liquid isocyanates), **NZD ISO FLUSH™ - Isocyanates Cleaner** should be used.

## Application

Use Natural Rubber Gloves when handling this product.  
**Do not Atomize this product.**

Use **Full Strength (do not add water)** at **Room Temperature or a Maximum of 150 °F** in an immersion tank with light agitation or spray under immersion. Must have proper ventilation system - mechanical exhaust in place. The use of ultrasonic immersion tank will enhance the loosening performance. **Mechanical filtering** of larger particles **using a cheesecloth or metal mesh filter** will help **extend the life of the product**. Rinse off with warm water and forced air to dry components.

Will cause strong eye irritation; use Eye Protection and appropriate protective clothing.

## Typical Properties

Appearance:	Clear Amber Liquid
Flash Point:	>188 °F Seta Flash
Odor:	Mild
pH (50% solution in water @ 68 °F):	8.6 - 9.2
Viscosity (Centipoise @ 68 °F): (Brookfield Spindle #3, 10 RPM)	1000 - 2000
Specific Gravity (68 °F)	0.9960 - 0.9965
Ideal Operating Concentration:	Full Strength
Ideal Operating Temp (°F):	Room Temp. Maximum 150°F
Weight/Gal.	8.299 - 8.300 (lbs. /gal.)
Initial boiling point and boiling range (@ 760 [mm Hg])	385 - 485 °F
VOC Content (ASTM D-2369, Method 24)	6.77 lbs./gal or 811 grams / liter
Product #	02-W409589



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

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

### MATERIAL TO AVOID

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

### Safety & Handling Precautions

Refer to SDS for use, disposal and additional safe handling

Direct contact of **CIRR D BOND™ Crystallized Isocyanates Resin Remover** will cause 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.

### 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.

### Disposal

Refer to SDS for use, disposal and additional safe handling

Even though **CIRR D BOND™ Crystallized Isocyanates Resin Remover** has a low order of toxicity, \* with a low risk of environmental harm. Effluent analysis is required for proper waste disposal. 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

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