

# CIRR D BOND™

## Crystalized Isocyanates & Resin Remover

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### ENVIRONMENTAL

- ⦿ DOES NOT contain raw materials known to the State of California (Prop 65) to cause cancer, birth defects or other reproductive harm
- ⦿ DOES NOT contain raw materials listed on SECTION 112(b) of HAPs List
- ⦿ REACH Compliant - Does NOT contain raw materials listed on REACH Annex
- ⦿ No SARA 311, 312, 313 Ingredients
- ⦿ Reduced VOC, Non-Flammable, Non-Hazardous, Non-Combustible, Non-Toxic

### CIRR D BOND™ Crystalized Isocyanates & Resin Remover

Environmentally sensible, Low Temperature Immersion Cleaner. **It removes recently hardened and cured build-up of polymers and resins** from Spray Foam Equipment, Spray Guns, Pump Packaging, Heat Exchangers, Mixing Heads, Troughs, Conveyor Parts, Side Walls, Rollers, Foam & Resin Cutting Devices, and Injection Molds. It effectively removes;

- ~ Recently cured Isocyanates (A)
- ~ MDI and TDI esters and ethers
- ~ Residual of cured polyurethane
- ~ Cured Reactive Hot Melt Polyurethane Adhesives
- ~ Resins and Fiberglass (Polyester, Vinylester, Epoxy, Polyamide, Orthophthalic, Isophthalic, and Dicyclopentadiene)
- ~ Adhesives from roll coating and dispensing equipment, as well as other industrial adhesives

~ Layers such as High & Low Solid Aliphatic, Water Borne Epoxy Primers, Polyurethane, Acrylic, Varnishes, and Alkyl Enamel Coatings

### Features & Benefits

~ Replaces NMP, Acetone, MEK, Methylene Chloride, PM Acetate, etc.

### Application

Use **CIRR D BOND™ Full Strength (Do NOT add water)** at room temperature **OR** heated to a **maximum of 140 °F** in a well-ventilated area. When heated, a faster polymer and resin removal result is obtained. The use of an ultrasonic Immersion tank will enhance the loosening performance. **Must have proper ventilation system mechanical exhaust in place.**

**Mechanical filtering** of larger particles **using a metal mesh filter or cheesecloth** will help **extend the life of the product.**

**CIRR D BOND™ is NOT intended for flushing or re-circulating the product throughout the spray foam equipment, including hoses.**

To remove recently hardened Isocyanate (Part A) from the hoses, **FLUSH** with **SURF X FLUSH™ 2000** first, followed with a **FINAL FLUSH** of **NZD ISO FLUSH™ Isocyanates Cleaner & Neutralizer.**

For hand wipe applications, use **CIRR D BOND™ Crystalized Isocyanates & Resin Remover GO GREEN™ Wipes.**



### TYPICAL PROPERTIES

Appearance:	Clear Amber Liquid
Flash Point: (Pensky-Martens closed cup)	94.45 °C or 202 °F
Odor:	Mild
pH (50% solution in water @ 68°F)	9.8 - 10.8
Vapor Pressure: (components)	≤ 0.02 - 0.04 mmHg @ 20 °C (68 °F)
Initial boiling point/boiling range (@ 760 [mm Hg])	385 - 485 °F
Ideal Operating Temp (°F)	77 - 140 °F
Ideal Operating Concentration	Full Strength
Specific Gravity @ (68°F)	0.9810 - 0.9820
Weight/Gal. (lbs. /gal.)	8.20
VOC Content: (ASTM D-2369, Method 24)	6.77 lbs./gal or 811 grams/liter
HMIS Rating:	Health = 2 Fire = 1 Reactivity = 0
Recycling Parameters: (Vacuum Distillation) @ 27 [mm Hg] Pressure	300°F
Product #	02-WV409589

**RECOMMENDED MATERIALS TO USE FOR:  
O-Rings, Gaskets, Hoses and Pump Packaging**

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

**MATERIAL TO AVOID**

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

**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)

Freight easily shipped via local carriers ground or LTL.

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

**Store drums in a dry area.**

**SAFETY&HANDLING PRECAUTIONS**

Refer to SDS for additional safe handling & disposal

**Direct contact of CIRRD BOND™ Crystallized Isocyanates & Resin Remover will cause a skin irritation or serious eye irritation or damage.** it is important to utilize recommended gloves (Use Natural Rubber Gloves when handling this product), safety goggles and other suitable protective clothing your company recommends. Harmful if inhaled or swallowed. **Use product with adequate ventilation. Do Not take internally.** Keep out of reach of children; If splashed in eyes or on skin, wash off with plenty of water. If swallowed remove from exposure area Never give anything by mouth to an unconscious person Get medical advice/attention. **Refer to SDS Section 4 First Aid Measures**

**DISPOSAL**

Refer to SDS for additional safe handling & disposal

**The spent material should not be disposed of in any sewerage system.** Solutions containing hazardous or non-hazardous coatings and other soils should be handled and treated according to Federal, State and Local Environmental Laws. Discharge your waste and rinse water according to Federal, State and Local Regulations.



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