GLOBAL SPECIALTY PRODUCTS USA INC.

CIRR D BOND™

Crystalized Isocyanates & Resin Remover

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

CIRR D BOND™ 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
- Coatings such as: High & Low Solid Aliphatic, Water Born Epoxy Primers, Polyurethane, Acrylic, Varnishes and Alkyl Enamel

Environmental

- Replaces solvents such as NMP, Acetone, MEK, Methylene Chloride, PM Acetate, etc.
- Recyclable via vacuum distillation (reducing waste/saving costs)
- 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 Hazardous Air Pollutants (HAPs)
- DOES NOT contain raw materials listed on REACH Annex

CIRR D BOND™ is **NOT suitable for flushing the hoses**.
To remove recently hardened isocyanate (part A) from hoses, flush with **SURF X FLUSH ™ - 2000** first, followed with a final rinse/flush with **NZD ISO FLUSH™ - ISOCYANTES CLEANER.**

Direction for Use
Immersion Cleaning – Use **CIRR D BOND™** at room temperature **OR** heated to a **maximum 150 °F** in a well-ventilated area (when heated, a faster polymer and resin removal result is obtained). **Do NOT add water. NOT** intended for flushing or re-circulating the product throughout the spray foam equipment.

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 metal mesh filter or cheesecloth** will help **extend the life of the product**.

Typical Physical & Chemical Properties

Appearance	Clear Amber Liquid	**2-1-0 Specific Gravity** (@ 25 °C)	0.996 - 0.9965
Flash Point Pensky-Martins Closed Cup	94.45 °C or 202 °F	**Weight/Gal.**	8.20 (lbs. /gal.)
Odor	Mild	**VOC Content** (ASTM D-2369, Method 24)	6.77 lbs./gal or 811 grams / liter
pH (50% solution in water @ 68 °F)	9.3 - 10.3	**Viscosity: (Centipoise @ 68 °F) (Brookfield Spindle #3, 10 RPM)**	1000 - 1500
Ideal Operating Temp (°F)	Room Temp.- Maximum 140°F	**HMIS Rating:**	Health = 2; Fire = 1; Reactivity = 0
Ideal Operating Concentration	Full Strength Do Not Dilute	**Product / Part #**	02-W409589
Initial boiling point and boiling range (@ 760 [mm Hg]):	385 - 485 °F		

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

* 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 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.

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.**

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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