

CIRR D BOND™

Crystalized Isocyanates & Resin Remover

Product Description

CIRR D BOND is a low temperature immersion cleaner designed to remove recently hardened or cured polymers, resins, polyurethane, and adhesive residues from spray foam processing and industrial manufacturing equipment.

Typical Equipment Cleaned

- Spray foam equipment and spray guns
- Pump packaging and heat exchangers
- Mixing heads and injection molds
- Troughs, conveyors, rollers, and side walls
- Foam and resin cutting devices

Features & Benefits

- Replaces NMP, Acetone, MEK, Methylene Chloride, and PM Acetate
- Effective at room temperature or heated up to 140°F
- Compatible with immersion and ultrasonic cleaning systems
- Removes polymer and resin build-up to extend equipment life

Materials Removed

- Recently cured Isocyanates (Part A), MDI, and TDI esters and ethers
- Cured polyurethane and reactive hot melt polyurethane adhesives
- Polyester, vinyl ester, epoxy, polyamide, orthophthalic, isophthalic, and DCPD resins
- Industrial adhesives from roll coating and dispensing equipment
- Aliphatic coatings, waterborne epoxy primers, polyurethane, acrylics, varnishes, and alkyd enamels

Applications

Use CIRR D BOND full strength (do not dilute). Apply at room temperature or heat up to 140°F for faster polymer and resin removal. Best results are obtained using immersion tanks. Ultrasonic agitation can improve cleaning performance.

To extend bath life, remove debris using a metal mesh filter or cheesecloth. Use only in well-ventilated areas with mechanical exhaust.

Wipe Applications

For hand wipe cleaning, use CIRR D BOND GO GREEN™ WIPES.

Important Usage Information

CIRR D BOND is not intended for flushing or recirculating through spray foam equipment or hoses. For hose cleaning: flush with SURF X FLUSH followed by a final flush using NZD ISO FLUSH.

Environmental Profile

- Low VOC • Nonflammable • Low Toxicity • Noncorrosive • Nonhygroscopic • Non Combustible
- 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

Stability & Material Compatibility

This product is stable under normal storage conditions and compatible with carbon steel, stainless steel, and aluminum alloys.

Typical Physical & Chemical Properties

Property	Specification
Appearance (physical state, color)	Clear amber liquid
Odor	Mild
pH	9.80 – 10.80 (50% solution in water @ 68°F)
Boiling point @ 760 mmHg	385 – 485 °F (180 – 202 °C)
Flash Point (Pensky-Martins Closed Cup, ASTM D93)	202 °F (94.45 °C)
Vapor Pressure (components)	≤ 0.02 - 0.04 mmHg @ 20 °C (68 °F)
Relative density (Specific Gravity)	0.980 – 0.985 @ 68 °F (20 °C)
Solubility	Completely miscible in water
Viscosity (Brookfield, Spindle #3, 10 rpm, 68°F)	1,000–1,500 cP
Weight per gallon	8.20 lb/gal
VOC (EPA Method 24)	3.22 %
VOC content	31.8 g/L (0.264 lb/gal)
Normal working concentration	Full strength
HMIS Rating	Health: 2 Fire: 1 Reactivity: 0
Operating temperature	77 - 140 °F
Recycling parameters (Vacuum Distillation)	300 °F at 27 mm Hg
Product #	02-W409589

Material Compatibility (O-Rings, Gaskets, Seals, Hoses and Pump Packing)

Recommended Materials:

Butyl rubber, Halar®, Klarez®, melamine, mild steel, nylon, polyethylene, polypropylene, Ryton®, silicone rubber, Teflon®.

Materials to Avoid:

ABS, Buna-N, Durel®, Hypalon®, Kynar®, Lexan®, Lucite®, Noryl® (EN-265, 731), PET, phenolic, polyester, polysulfone, polyurethane, PVC, Ultem®, Valox®, Viton®.

Safety & Handling

It causes serious eye and mild 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

1 Gallon HDPE Container • 5 Gallon HDPE Pail • 55 Gallon Steel Drum

GO GREEN™ Wipes in an "Easy Carry Bucket" (90 / 12 " x 12" Polypropylene Saturated Wipes)