CreteSolv RTU
Technical Data Sheet

Product Summary:

CreteSolv RTU is an advanced, bio-based molecular cement dissolver formulated with an attenuated natural carboxylic acid commonly derived from sugar beet and cane sugars. The formulation is complexed with a wetting and solvating package containing *CleanGredients® "Direct Release"* chemistries that deliver excellent surface activity and rapid penetration.

This innovative chemistry allows for fast and effective penetration of set and cured concrete substrates, migrating along the interior interphase of impacted surfaces to assist in the separation of residual concrete from tools, equipment, and other surfaces. CreteSolv RTU works by disrupting the ionic bonding of cement, re-solubilizing the material into a "mud phase" that can then be rinsed or wiped away.

CreteSolv RTU offers a safe, non-corrosive, readily biodegradable solution that performs comparably to traditional acid-based removers, without the hazards of muriatic, phosphoric, hydrofluoric, or sulfuric acids. The product is non-fuming, non-toxic, and safe for use on most surfaces including aluminum, steel, plastic, fiberglass, rubber, and painted metals.

CreteSolv RTU products incorporate *CleanGredients® "Direct Release"* listed ingredients that are designed for use in environmentally sensitive applications where wastewater discharge compatibility and biodegradability are essential. These active components are considered readily biodegradable (>60% biodegradation within 28 days, OECD 301F) and exhibit low aquatic toxicity (EC50 >10 mg/L).

Typical Applications and Uses:

- Removal of cured concrete, mortar, grout, or stucco residues
- Hand tools, wheelbarrows, buckets, and forms
- Truck mixers, drum mixers, dosing equipment, and chutes
- Concrete pumps, hoppers, and pavers
- Mechanical plates, scaffolding, and mandrels
- Masonry surfaces with efflorescence or calcium-based deposits
- Equipment and accessories not immediately rinsed after concrete work

CreteSolv RTU is a ready-to-use product that requires no dilution prior to use. Apply directly to the hardened concrete by spray, brush, or immersion, ensuring complete saturation of the surface. Allow the product to dwell for approximately 10 to 30 minutes depending on the thickness and curing time of the concrete. During this period, a mild bubbling or foaming reaction may occur, like a baking soda and vinegar reaction, indicating that the active chemistry is working. Once the concrete has softened, remove residue by scraping, brushing, or rinsing with water. For heavily cured or thick deposits, repeat the application as needed. Surfaces should remain moist during the dwell time to ensure continuous chemical activity and maximum performance.

Physical Properties:

Product Name:	CreteSolv RTU
Physical Form:	Liquid
Color:	Clear/light yellow
Solubility in Water:	100%
pH:	2.0 - 2.35

[1] CleanGredients® Listing - CleanGredients® is a database of chemical ingredients used primarily to formulate residential, institutional, industrial, and janitorial cleaning products that have been pre-approved to meet the U.S. EPA's Safer Choice Standard. CleanGredients® represents a community of practice that brings together industry, government and non-profit stakeholders who have a vested interest in advancing the use of green chemistry in products.

Complete information on health hazards, PPE, handling procedures, environmental hazards and disposal is listed in the current CreteSolv RTU Safety Data Sheet (SDS) for this product.