TECHNICAL INFORMATION

NOVOTEC® CB800

The protein based liquid concentrate NOVOTEC® CB800 is used as a performance additive in water-based cleaning formulations.

NOVOTEC® CB800 is comprised of natural polyfunctional proteins that have been specially processed to provide strong intermolecular interactions with water and numerous application surfaces (e.g. steel, glass, aluminum). Cleaning formulations containing NOVOTEC® CB800 as a component benefit, as the biopolymers have a strong affinity to numerous surfaces and form a layer of hydrated peptide chains that is both protective and facilitates dirt removal (easy to clean effect).

Traditional cleaners often use silicates to prevent surface corrosion. Other protectants are based on water repellent substances like wax to avoid re-soiling. Both compounds produce residues on the surface, which can make it difficult to remove water insoluble dirt from cleaned surfaces.

In contrast the NOVOTEC® CB800 peptide layers are hydrophilic and facilitate the NOVOTEC® Effect. Dirt accumulates on the aqueous peptide layer and has no chance to reach the underlying surface material. In the presence of water (or high humidity) the soil floats on the protein layer and can be displaced from the surface by a gentle rinsing with water- in exterior applications even a rain shower may be sufficient.
As NOVOTEC® CB800 is produced from natural collagen it has an excellent toxicological profile and can complement existing detergent formulations with good skin tolerance.

**Advantages**
- Easy-to-clean effect
- Hydrophilic surface protection
- Effective cleaning at mild pH
- Aids in the removal of biofilms
- Compliments good skin tolerance formulations
- Low allergenic risk

**Product Characteristics**
- Amber-colored, viscous concentrated solution of functional peptides with stabilizing additives (citric acid and potassium sorbate)
- Food grade product compliant with FSSC22000
- Fully miscible with cold or warm water
- Biodegradable

**Important Considerations**
- NOVOTEC® CB800 performance on different surface types is pH dependent, optimal range typically between pH=7-9
- NOVOTEC® CB800 solutions may require additional preservatives for biostability
- NOVOTEC® CB800 will inactivate formaldehyde releasers

**Packaging**
- IBC container (up to 1000 kg) or in a 5 gallon plastic drum (apx. 21 kg)
Storage
- NOVOTEC® CB800 should be stored under typical warehouse conditions. Opened containers should be stored in cool, dry location and stabilized if necessary.

Dosage
- Typical concentration in detergent applications: 0.1-1%