



# BIODEGRADABLE STAIN REMOVER IN TEXTILES



Red de Oficinas de Transferencia de Tecnología del Tecnológico de Monterrey

This biodegradable technology removes stains in all types of textiles, except silk.



## BACKGROUND

Different textile cleaning compositions have been developed in order to optimize stain removal in textiles, increase the efficiency of the washing process to reduce water consumption and/or energy. Formulations with greater efficiency in stain removal comprise mixtures of surfactants, bleaches, polymers and enzymes; Commonly as solids, powders, foams or liquids.

## TECHNOLOGY

The technology is a biodegradable stain remover. It removes protein, carbohydrate, grease, pen ink and oil paint stains. It comprises a mixture of hydrolases enzymes, in an aqueous solution formed by the biodegradable nonionic surfactant, enzyme stabilizers and water.

## KEY BENEFITS

- Removes stains in all types of textiles except silk.
- It's biodegradable.
- The formulation can be applied directly on a textile stain, dry.
- Avoids fixing the stain.
- Preserves quality and use less detergents.

## DEVELOPMENT STATUS

- The technology has been tested in textiles with standardized stains called "swatch".

**Technology Readiness Level: 4/9**

## INTELLECTUAL PROPERTY

Patent: MX 321470 B

This technology is available for licensing. More opportunities on our website: <http://redottec.com>



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