

ESTERIX BLEND – TECHNICAL DATA SHEET

Environmentally Safe Paint and Varnish Remover (contains no chlorinated solvents)

The Problem With Chlorinated Solvents

Paint strippers, like the products they are designed to remove, currently face growing demands for improved safety and a healthier environment by reducing the emission of “Volatile Organic Compounds” (VOC).

The use of Methylene chloride as a major active constituent in all conventional paint stripper formulations has declined to meet demand for low VOCs.

Some reformulated paint stripper products were introduced as a replacement for Methylene chloride based products. In many instances, these products exhibit the paint stripping characteristics of a Methylene chloride rich mixture, but have other limitations which may include any or all of the following.

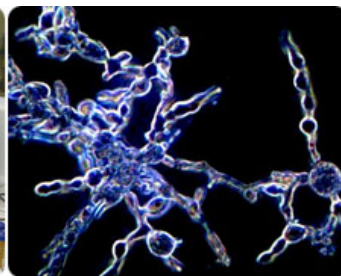
1. High flammability.
2. High evaporation rate (High VOCs).
3. High toxicity.
4. Limited biodegradability.
5. Limited water mixability.
6. High alkalinity or acidity.

Many of these problems directly relate to the solvents used in the formulations.

What is needed is a solvent system formulation that provides the “results” of a Methylene chloride system without its associated drawbacks.

The Answer

Esterix Blend formulation is the answer and the safe way to achieve the “DCM” (dichloromethane) performance by using rapeseed based products combined with gamma butyrolactone to form a bio-solvent with a very high flash point and free from VOCs.



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An Excellent (and completely safe) Solvent

Esterix Blend exhibits excellent solvency over a broad range of resins commonly used in paint and coating formulations. It solvates lacquer type systems and is highly effective in solvating both acrylic polyester and polyurethane formulations. When desired, the rate of solvent activity can be increased by raising the temperature of the Esterix Blend or the substrata to be stripped (50 to 65°C).

Miscibility In Water & Recycling

Esterix Blend is completely miscible in water. It has a very low evaporation rate, resulting in easier handling in open systems. Additionally when Esterix Blend is used in stripping operations, it can be distilled and reclaimed for repeated reuse.

Zero Emissions

Since Esterix Blend vapours are condensed from air exiting the cleaning chamber, a virtually emissions-free cleaning process results.

Thermal Stability

Because the molecule of Esterix Blend is heat stable, precision cleaning can be accomplished at elevated temperatures.

Multiple Uses

Esterix Blend can be used by dipping or hand wiping for:

- Stripping paint
- Stripping varnish
- Cleaning of ink
- Cleaning and degreasing of:
 - Chlorinated paraffin
 - Carbon residue
 - Paraffin wax

Physical Properties

Appearance: colourless liquid

Odour: pleasant odour

Specific Gravity (water=1): 1.1442

Flash Point: 126°C

Freezing/Melting Point: not determined

Solubility in water (%): 1 - 1