

E16

elements™



environmentally responsible
maintenance solutions



Bio Gel Graffiti Remover

Removedor de Grafiti de Gel de Bio

Formulated using bio based solvents that are safe alternatives to highly flammable, toxic or petroleum hydrocarbon solvents, or corrosive chemicals. This product is a ready to use, non-toxic, VOC compliant, biodegradable product specifically designed to remove the most difficult marks and stains from many surfaces. This soy and corn bio-based graffiti remover is formulated using a gel technology that allows the product to cling to vertical surfaces to enhance performance and minimize water run off. Can be used on all types of metals, glass, cement, concrete, porcelain, stone, tile, desk tops and most baked on enamel surfaces.

ENVIRONMENTALLY RESPONSIBLE COMPARISON

Traditional Products	elements
Chlorinated solvents (i.e. methylene chloride tetrachloroethylene)	Ethyl lactate
Nonylphenol ethoxylates	Linear Alcohol Ethoxylate*
2-Butoxyethanol, Ethylene glycol monobutyl ether	Propylene glycol phenol ether
n-Methylpyrrolidone (NMP)	Methyl soyate
Aromatic solvents (i.e. toluene, xylene, ethyl benzene)	None
Benzyl alcohol	None
Acetone	None
Potassium hydroxide	None
Traditional Compound Descriptions:	elements Compound Descriptions:
<p>Chlorinated solvents – strong nonflammable solvents. However, California Prop 65 listed as chemical known to cause cancer.</p> <p>Nonylphenol ethoxylates – a non-ionic surfactant that is used to provide wetting and detergency. However, it is derived from a petroleum-based product. It has a suspected harmful biodegradable intermediate.</p> <p>2-Butoxyethanol – effective water-soluble solvent to attack both water-soluble and water-insoluble inks and paints. However, it is a potential nose and eye irritant and may cause blood cell, liver or kidney damage if absorbed through skin.</p> <p>n-Methylpyrrolidone – strong solvent. However, California Prop 65 listed as chemical known to cause reproductive toxicity.</p> <p>Aromatic solvents – flammable solvents. However, considered of high concern of chronic toxicity to fish by EPA PBT Profiler1. Toluene is California Prop 65 listed as a chemical known to cause reproductive toxicity. Ethylbenzene is California Prop 65 listed as a chemical known to cause cancer.</p> <p>Benzyl alcohol – respiratory, eye and skin irritant earning a “do not use” recommendation on the Janitorial Products Pollution Prevention list.</p> <p>Acetone – strong solvent. However highly flammable, dangerous to use.</p> <p>Potassium hydroxide – corrosive to skin and eyes. Should not be freely released into the environment.</p> <p>The U.S. Environmental Protection Agency (EPA) Persistent Bioaccumulative Toxin (PBT) Profiler – ecological and human health hazard screening tool.</p>	<p>Linear Alcohol Ethoxylate* - listed as Positive Environmental Profile surfactant on EPA design for the Environment Formulator Initiative. A non-ionic surfactant made from linear primary alcohol that biodegrades readily to compounds with low toxicity.</p> <p>Ethyl lactate – biobased, low toxicity, readily biodegradable.</p> <p>Methyl Soyate - biobased, low toxicity, readily biodegradable.</p> <p>Propylene glycol phenol ether – low toxicity, readily biodegradable.</p>

PRODUCT SPECIFICATIONS

Dilution:	Ready to Use	Viscosity:	Semi-gel
Rinsability:	Good- Excellent	Biodegradability:	Complete
Biodegradability:	Complete	Flash Point (TCC):	>212° F
Color:	Light Yellow	Storage/Stability:	1 year
Odor:	Fragrance Free	VOC Content (w/w)	< 3%
pH:	N/A	Weight Per Gallon:	8.12 lbs./gal.
		Freeze/Thaw Stability:	Keep from freezing



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