

# ECOSPHERE



## Bio Gel Graffiti Remover



### ENVIRONMENTALLY RESPONSIBLE COMPARISON

Traditional Products	ECOSPHERE
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:	ECOSPHERE Compound Descriptions:
Chlorinated solvents – strong nonflammable solvents. However, California Prop 65 listed as chemical known to cause cancer.	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.
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.	Ethyl lactate – biobased, low toxicity, readily biodegradable.
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.	Methyl Soyate - biobased, low toxicity, readily biodegradable.
n-Methylpyrrolidone – strong solvent. However, California Prop 65 listed as chemical known to cause reproductive toxicity.	Propylene glycol phenol ether – low toxicity, readily biodegradable.
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.	
Benzyl alcohol – respiratory, eye and skin irritant earning a "do not use" recommendation on the Janitorial Products Pollution Prevention list.	
Acetone – strong solvent. However highly flammable, dangerous to use.	
Potassium hydroxide – corrosive to skin and eyes. Should not be freely released into the environment. The U.S. Environmental Protection Agency (EPA) Persistent Bioaccumulative Toxin (PBT) Profiler – ecological and human health hazard screening tool.	

### PRODUCT SPECIFICATIONS

<b>Color:</b>	Light Yellow	<b>Flash Point (TCC):</b>	127° F
<b>Odor:</b>	Characteristic	<b>Storage/Stability:</b>	1 year
<b>pH:</b>	N/A	<b>VOC Content (w/w):</b>	< 3%
<b>Viscosity:</b>	Semi-gel	<b>Weight Per Gallon:</b>	8.12 lbs./gal.
<b>Biodegradability:</b>	Complete	<b>Freeze/Thaw Stability:</b>	Keep from freezing

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.