

Product Information Sheet



SoyGreen® Solvents

SG1000 SG5000 SG6000



Description

SoyGreen® solvents are unique soy-based blends effective for a variety of applications. Formulated to replace many common terpene and petrochemical based products including mineral spirits, D'Limonene, naphtha, and toluene, SoyGreen® solvents are completely environmentally safe by any definition – low VOC's*, bio-based, readily biodegradable, non-flammable, and GHS (US) - Not Classified. SG1000 is ideal for degreasing, metal cleaning, and many other applications. SG5000 is the same chemistry but slightly more aggressive, and ideal for parts washing, paint removal, ink cleanup, mastic removal, engine and heavy-duty degreasing, etc. SG6000 is a thickened version of SG5000, and ideal for vertical applications because it sprays and clings to allow for added dwell time with no runoff. For removal of polyurethanes and multiple layers of lead paint, try SoyGreen® Strippers. SoyGreen® solvents are non-evaporative and will remain active for up to 24 hours or longer.

Available in 5-gallon pails, and 55-gallon drums. Totes available on special request.

Directions

Dilution: SoyGreen® solvents are RTU for most applications such as degreasing, paint and ink removal and cleanup, mastic removal, and other applications. SG1000 and SG5000 can be diluted for spot applications though separation will occur with prolonged use. For stable emulsions and water based applications try SG1000E and SG5000E.

Dwell Times: Product is most effective with a dwell time of 10-20 minutes. For heavy-duty degreasing, carbon build-up, and multiple layer paint removal applications, longer dwell times of 20-30 minutes is recommended depending upon temperature and coating being removed.

Cautions: SoyGreen® solvents are aggressive formulations and may cause damage to some plastics and rubber. Use caution around paint such as painted logos or elevator buttons as it will remove paint with extended or prolonged use. Test all sprayers, brushes, scrapers, and surfaces to be treated for solvent compatibility.

Cleanup: SoyGreen® solvents are water miscible and easily cleaned with warm or hot water.

Safety Data (see SDS for additional information)

GHS (US):

Not Classified.

First Aid:

Eyes: Flush with water for 15 minutes. If irritation continues, call a physician.

Ingestion: Seek medical attention.

Keep out of reach of children.

Technical Data

Type: Solvent

Appearance: Light Yellow Liquid (SG1000 /SG5000)

Light Brown Viscous Liquid (SG6000)

Scent: Mild

pH@1% Solution: 5.0 - 7.0

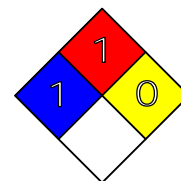
Flash Point: > 240° F (116°C)

Boiling Point: > 483°F (251°C)

Melting Point: 30°F

Specific Gravity: 0.910 - 0.975

VOC Percentage: 2.87% - 4.40%



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*VOC Compliant



Made in the USA

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Product Information Sheet



SoyGreen® Emulsions

SG1000E SG5000E




Description

SG1000 and SG5000 solvents are unique soy-based blends effective for a variety of applications, and are now available as (water based) emulsions for an even greater range of performance and cost effectiveness. SoyGreen® solvents and emulsions are completely environmentally safe by any definition – low VOC's*, bio-based, readily biodegradable, non-flammable, and GHS (US) - Not Classified. SoyGreen® emulsions are the perfect replacement for caustics, butyls, d-limonene, and other 'standard' cleaning chemistries, and ideal for manufacturers and private label in that they are available in concentrates easily dilutable to RTU applications. SG1000E-25, as an example, is an ideal metal cleaner and degreaser to be used daily without harming surfaces. It can be further diluted for even greater cost effectiveness and, unlike most solvent based emulsions, remain stable for a shelf life exceeding one year. SG5000E emulsions are the same chemistry but slightly more aggressive, and ideal for paint removal, ink cleanup, heavy-duty degreasing, and much more.

Product Options

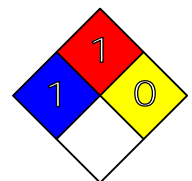
Products: SG1000E and SG5000E are water-in-oil concentrates and must be mixed per mixing instructions. A thickener is also available if increased viscosity is desired, as well as other co-solvents, silicones, and enzymes.
Packaging: SoyGreen® emulsion concentrates, SG1000E and SG5000E, are available in 5-gallon pails, 55-gallon drums, and 330-gallon totes. RTU formulations and packaging are available for private label and custom blends.
Dilutions: Typical dilution range from the concentrates is 1:3 to 1:9 for hard surface cleaners and degreasers - refer to application chart. Dilutions can be controlled via standard blend station or pump system.
Cleanup: SoyGreen® emulsions are water miscible and easily cleaned with warm to hot water.
Caution: Use caution around plastics and painted surfaces. After prolonged use, product may remove paint from unprotected painted surfaces such as logos, directions, and buttons on elevators, grills, etc.

Safety Data (see SDS for additional information)

GHS (US): Eye Irritant (concentrate only) 
First Aid:
Eyes: Flush with water for 15 minutes. If irritation continues, call a physician.
Ingestion: Seek medical attention.
Keep out of reach of children.

Technical Data (Concentrates)

Type:	(Water Based) Emulsion	Flash Point:	> 220°F (104°C)
Appearance:	White Emulsion (after Dilution)	High Sheer Viscosity:	12 - 18 cps
Odor:	Mild	Low Sheer Viscosity:	Not Determined
pH@1% solution:	6.0-8.0 (1000E); 4.0-6.0 (5000E)	Specific Gravity:	0.904 - 0.975
Freeze Point:	32° F (0°C)	VOC Percentage:	< 1% (Diluted)



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Product Information Sheet



SoyGreen® Strippers



Description

SoyGreen® Strippers are next generation, environmentally safe, user friendly products for removing paint and chemical resistant coatings, and do not contain methylene chloride, MEK, or other harsh flammable chemicals. The formulations have been specifically developed to remove multiple layers of oil and latex paints, but will also remove many other coatings like epoxies, urethanes, elastomerics and chlorinated rubber. Available in both liquid and gel formulations, the products are designed for use on a variety of substrates including wood, brick, stone, metal, graphite, and steel, and are ideal for use in safely removing lead paint because it will not evaporate.

Available in 5 gallon pails, 55 gallon drums, and bulk.

Product Options & Directions

Liquid: SoyGreen® PolyClear & EnviroClear are the liquid versions of the formulations, designed for use on horizontal surfaces or surfaces where you need penetration into a porous surface to remove the coating. SG PolyClear has less than 20% N-methyl-2-pyrrolidone so it can therefore be used as a consumer product under the proposed regulations for the use of that raw material, while SG EnviroClear has twice the amount of active ingredients.

Gel: SoyGreen® PolyStripper & EnviroGel are the gel versions of the same formulas above, designed to be used on vertical surfaces or surfaces where maximum dwell time is desired.

Directions & Coverage: Spray or pour generous coat on entire area and allow to remain for 10 to 30 minutes depending on age of paint or graffiti, underlying surfaces, and temperature. Rinse, wipe, or brush as required. Some surfaces may require additional dwell time and number of applications. If shadowing or the appearance of paint still remains, the paint has most likely penetrated the surface, and a liquid application is recommended. Average coverage is 250 sq. ft/gallon.

Caution: Use caution when applying to synthetic surfaces that may be damaged by solvents, such as rubber, vinyl tile and some plastics. Make sure wood surfaces are thoroughly cleaned of any residual before recoating. Test surfaces, sprayers and brushes for compatibility. Properly dispose of all towels and wipes.

Safety Data (see SDS for additional information)

GHS (US):

Danger:

Composition includes N-methyl-2-pyrrolidone

See SDS for complete safety information and cautions.

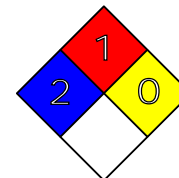
Keep out of reach of children.



Technical Data

Type: Solvent
Appearance: Gel - Light Brown Viscous Liquid
Liquid - Yellow Liquid
Odor: Mild
pH @ 1% Solution: 8.0 - 9.0

Flash Point: >240°F (116°C)
Boiling Point: >483°F (251°C)
Specific Gravity: 0.994 (Liquid)
0.970 (Gel)
VOC Percentage: < 5%



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