

SAFETY DATA SHEET

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1. IDENTIFICATION

1.1 Product Identifier

Revision Date: 12.01.19

Supersedes Date: 09.01.18

Product Name: SoyGreen® Ultimate Graffiti Remover

1.2 Relevant Uses

Soy-based mixture; primary use - paint stripping, graffiti removal.

1.3 Details of Manufacturer

Soy Technologies LLC
1050 Elizabeth Street – Unit 4
Nicholasville, Kentucky USA 40356

Tel: 859.881.1200 • Fax: 941.981.1400
info@soytek.com • www.soytek.com

1.4 Emergency Contact Number

During business hours call 800-769-8748 or 859-881-1200, ext 503.
Or, 24/7, call 866-767-7901, or email info@soytek.com.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS-US classification

Skin Irritant	: H315
Eye Irritant 2A	: H319
Reproductive 1B	: H360
Stot SE 3	: H335

2.2 Label elements

GHS - US labelling

Hazard Pictograms (GHS-US)



GHS07



GHS08

Signal word (GHS-US) : Danger

Hazard Statements (GHS-US)	: H315 - Causes skin irritation : H319 - Causes serious eye irritation : H335 - May cause respiratory irritation : H360 - May damage fertility or the unborn child
Precautionary statements (GHS-US) (Prevention)	: P201 - Obtain special instructions before use : P202 - Do not handle until all safety precautions have been read and understood : P261 - Avoid breathing fume, mist, or vapors : P264 - Wash hands, forearms and face thoroughly after handling : P280 - Wear protective gloves, protective clothing, eye protection
Precautionary statements (GHS-US) (Response)	: P302+P352 - If on skin: Wash with plenty of water : P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing : P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing : P308+P313 - If exposed or concerned: Get medical attention : P312 - Call a doctor, a POISON CENTER if you feel unwell : P321 - Specific treatment (see first aid instructions on label) : P332+P313 - If skin irritation occurs: Get medical attention : P337+P313 - If eye irritation persists: Get medical attention : P362 - Take off contaminated clothing and wash before reuse

2.3 Other hazards

None under normal conditions.

2.4 Unknown acute toxicity (GHS-US)

None.

2.5 Office of Environmental Health Hazard Assessment (OEHHA)

See Section 15.3.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable.

3.2 Mixture

Composition: N-methyl-2-Pyrrolidone Cas No. 872-50-4 Weight: < 40%

All ingredients are trade secret as authorized by 29 CFR 1910.1200(i).

3.3 Cleaning Product Right to Know Act of 2017 (California)

<u>Ingredients</u>	<u>CAS Number</u>
N-methyl-2-Pyrrolidone	872-50-4
Soy Methyl Esters	67762-38-3
Dimethyl Glutarate	1119-40-0
Dimethyl Succinate	106-65-0
Dimethyl Adipate	627-93-0
Ethoxylated Castor Oil	61791-12-6
Rheological Additive *	14808-60-7 *
Antioxidant	128-37-0

* Contains less than .1% of Crystalline Silica - Quartz

4. FIRST AID MEASURES

4.1 Description of first aid measures

First-aid measures general	: If exposed or concerned, get medical attention. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.
First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. Get medical attention immediately.
First-aid measures after eye contact	: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

4.2 More important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.
Chronic symptoms	: May damage fertility. May damage the unborn child.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media : Foam; dry powder; arbon dioxide; water spray; sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

- Fire hazard : Rags soaked with product may present a fire or spontaneous combustion hazard.
Explosion hazard : Product is not explosive.
Reactivity : No dangerous reactions known under normal use.

5.3 Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- General measures : Specific emergency measures are required other than good laboratory hygiene and safety practices.

6.1.1 For non-emergency personnel

- Protective equipment : Wear Protective equipment as described in Section 8.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2 For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection; approved supplied-air respirator, in case of emergency.

6.2 Environmental precautions

- Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations.

6.4 Reference to other sections

No additional information available.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures : Stable (Shelf Life > 2 Years).

Storage conditions : Store in dry, well-ventilated area. Keep container closed when not in use.

Incompatible materials : Combustible materials.

7.3 Specific end use(s)

No additional information available

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Control parameters

1-Methyl-2-pyrrolidone (872-50-4)	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

8.2. Exposure controls

Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves; protective goggles.



Hand protection

: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be

classified under Standard EN 374 or ASTM F1296.

Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. . Suitable gloves for this specific application can be recommended by the glove supplier. Change contaminated gloves immediately.

- Eye protection : Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid.
- Skin and body protection : Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.
- Respiratory protection : Use NIOSH-approved dust/particulate respirator. Where vapor or mist exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Viscous liquid
Color	: Light Brown
Odor	: Mild
pH @ 1% solution	: 8.0 – 9.0
Freezing Point	: No data available.
Boiling Point	: 251 °C (>483°F)
Flash Point	: > 116 °C (>240°F)
Relative Density	: 0.970
Viscosity	
Low Sheer (6 rpm)	: 3,000 – 10,000 cps
High Sheer (60 rpm)	: 550 – 850 cps
Solubility	: Not soluble

9.2. Other information

VOC content (Method 310) : 4.98%

10. STABILITY & REACTIVITY

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Ignition sources.

10.5. Incompatible materials

Acids. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂).

11. TOXICOLOGICAL INFORMATION

Acute toxicity : Not classified

SoyTechnologies does not test on animals. The following information is from raw materials only:

1-Methyl-2-pyrrolidone (872-50-4)	
LD50 oral rat	3598 mg/kg
LD50 dermal rat	2500 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	3.1 mg/l/4h

Skin corrosion/irritation	: Not classified pH: Human – A 24 hour human skin patch test indicated that undiluted material produced very mild irritation. Irritancy was less than that produced by a 4% aqueous soap solution.
Serious eye damage/irritation	: Not classified pH: Human – A 24 hour human skin patch test indicated that undiluted material produced very mild irritation. Irritancy was less than that produced by a 4% aqueous soap solution.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: Not classified
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology – general : Aquatic toxicity rating not determined. All possible measures should be taken to prevent release into the environment.

12.2. Persistence/degradability : Readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

14. TRANSPORTATION INFORMATION

In accordance with DOT : Not hazardous for transport.

DOT Proper Shipping Name : Not Listed

Transport by sea : Non-hazardous

Transport by air : Non-hazardous

IMDG Classification : None

Dangerous Goods (Canada) : Not listed

15. REGULATORY INFORMATION

15.1 US Federal Regulations

SoyGreen® EnviroGel	
All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
1-Methyl-2-pyrrolidone (872-50-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 % de minimis concentration

15.2 International Regulations

Chemical Inventories – In compliance denotes all components are on inventory or exempt.

U. S. (TSCA)	In Compliance	Canada (CEPA):	Listed on DSL.
Europe (EINECS):	Listed on EINECS	Japan (ENCS):	Listed on MITI
Australia (NOHSC):	In Compliance	Korea:	In Compliance
China:	In Compliance	Philippines:	In Compliance

15.3 Other Regulatory Information:

California Proposition 65

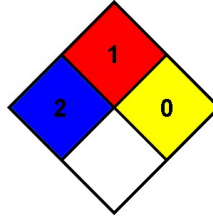
▲ WARNING: This product can expose you to chemicals 1-Methyl-2-pyrrolidone, which is known to the state of California to cause cancer and/or reproductive toxicity. For more information, go to www.P65warnings.ca.gov. In addition the product contains a trace amount (< . 1%) of silica but silica is only listed as a Prop. 65 danger when the silica is respirable, This product does not contain respirable silica:

1-Methyl-2-pyrrolidone (872-50-4)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
No	Yes	No	No	
1-Methyl-2-pyrrolidone (872-50-4)				
U.S. - Massachusetts - Right To Know List				
U.S. - New Jersey - Right to Know Hazardous Substance List				
U.S. - Pennsylvania - RTK (Right to Know) List				

16. OTHER INFORMATION

Indication of changes	: Cleaning Product Right to Know Act of 2017 (Ca.)
Revision Date	: 12.1.19
Other information	: Author: RMF

NFPA Rating



NFPA health hazard

: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard

: 1 - Must be preheated before ignition can occur.

NFPA reactivity

: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health

: 2

Flammability

: 1

Physical

: 0

Personal Protection

Manufacturer Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product