OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 09/06/2017

Reviewed on 02/25/2020

1 Identification

- Product Identifier #GPC-002; M-9005
- Trade name: The Natural Adhesive & Resin Remover #GPC-002
- · Relevant identified uses of the substance or mixture and uses advised against:
- · Product Description Removes and dissolves paints, inks, epoxies, alkyds, enamels, and many more
- Application of the substance / the mixture: Industry specific application.
- Details of the Supplier of the Safety Data Sheet:
- Manufacturer/Supplier: Green Power Chemical 151 Sparta-Stanhope Rd Hopatcong NJ 07843 U.S.,

Canada and Mexico: (800) 932-9371 | International: 973 770-5600 Fax: 973-770-1158

• *Emergency telephone number:* Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours) Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

? Hazard(s) Identification

· Classification of the substance or mixture:

GHS08 Health hazard

Repr. 1 H360 May damage fertility or the unborn child.

GHS09 Environment

Aquatic Acute 1H400Very toxic to aquatic life.Aquatic Chronic 1H410Very toxic to aquatic life with long lasting effects.



Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2A	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H335	May cause respiratory irritation.

- Label elements:
- GHS label elements
- The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms:



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ue date 09/06/20 ade name: The l	017 Reviewed on 02/25/2020 Natural Adhesive & Resin Remover #GPC-002
Signal word: D	anger
Hazard-determ	ining components of labeling:
1,2-dimethoxyet	hane
d-limonene	
N-methyl-2-pyrr	olidone (NMP)
Hazard statem	
H315 Causes sl	kin irritation.
H319 Causes se	erious eye irritation.
	e an allergic skin reaction.
	age fertility or the unborn child.
	e respiratory irritation.
H400 Very toxic	
	to aquatic life with long lasting effects.
Precautionary	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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+P3	38 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses,
	present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/internationa regulations.
Unknown acute	e toxicity:

0 % of the mixture consists of component(s) of unknown toxicity.

- · Classification system: NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- NFPA ratings (scale 0 4)



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· HMIS-ratings (scale 0 - 4)

HEALTH2Health = 2FIRE1Fire = 1REACTIVITYPhysical Hazard = 0

Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on Ingredients

· Chemical characterization: Mixtures

· Description: Mixture of substances listed below with non-hazardous additions.

· Dangerous Components:

zangereae eempene		
	N-methyl-2-pyrrolidone (NMP)	Proprietary%
RTECS: UY 5790000	Repr. 1B, H360; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	
CAS: 110-71-4	1,2-dimethoxyethane	Proprietary%
RTECS: KI 1451000	🚸 Flam. Liq. 2, H225; 🚸 Repr. 1B, H360; 🚸 Acute Tox. 4, H332	
CAS: 5989-27-5	d-limonene	Proprietary%
RTECS: GW 6360000	Aquatic Acute 1, H400; Aquatic Chronic 1, H410; H315; Skin Sens. 1, H317; Flam. Liq. 4, H227	

• Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

4 First-Aid Measures

· Description of first aid measures:

After inhalation:

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

• After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting.

If symptoms develop and/or persist, seek medical attention.

- · Information for doctor:
- *Most important symptoms and effects, both acute and delayed:* No further relevant information available.
- Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures

- · Extinguishing media:
- Suitable extinguishing agents: Use fire fighting measures that suit the environment.
- Special hazards arising from the substance or mixture: No further relevant information available.

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 Advice for firefighters: Protective equipment: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approand full protective gear to prevent contact with skin and eyes. 	oved or equivalent)
6 Accidental Release Measures	
 Personal precautions, protective equipment and emergency procedures: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water. Methods and material for containment and cleaning up: Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, say Dispose contaminated material as waste according to section 13. Ensure adequate ventilation. Dispose of the collected material according to regulations. Reference to other sections: See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. Protective Action Criteria for Chemicals 	wdust).
• PAC-1:	
872-50-4 N-methyl-2-pyrrolidone (NMP)	30 ppm
110-71-4 1,2-dimethoxyethane	13 ppm
5989-27-5 d-limonene	15 ppm
872-50-4 N-methyl-2-pyrrolidone (NMP)	32 ppm
110-71-4 1,2-dimethoxyethane	140 ppm
5989-27-5 d-limonene	67 ppm
· PAC-3:	
872-50-4 N-methyl-2-pyrrolidone (NMP)	190 ppm
110-71-4 1,2-dimethoxyethane	840 ppm
5989-27-5 d-limonene	170 ppm

' Handling and Storage

·Handling

*

• Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about protection against explosions and fires: Keep protective respiratory device available.

- · Conditions for safe storage, including any incompatibilities:
- Store away from strong acids, strong bases and strong oxidizing agents.

• Storage

- **Requirements to be met by storerooms and receptacles:** Store in the original container.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.

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· Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

• Additional information about design of technical systems: No further data; see section 7.

· Control parameters:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits. *Components with occupational exposure limits:*

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

872-	-50-4 N-methyl-2-pyrrolidone (NMP)
WE	EL Long-term value: 10 ppm
	Skin
5989	9-27-5 d-limonene
TWA	A Short-term value: 10 mg/m ³
· Ingr	edients with biological limit values:
872-	50-4 N-methyl-2-pyrrolidone (NMP)
BEI	100 mg/L
	urine
	end of shift, after three consecutive days
	5-Hydroxy-N-methyl-2-pyrrolidone
	OSHA: biomarker for possible worker exposure

OSHA: biomarker for possible worker exposure

· Additional information: The lists that were valid during the creation of this SDS were used as basis.

- Exposure controls:
- Personal protective equipment:
- General protective and hygienic measures:
- The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

- Store protective clothing separately.
- Avoid contact with the eyes and skin.
- Breathing equipment: Not required.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves:

Chemical resistant

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

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· Penetration time of glove material:

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

• Eye protection:



- · Body protection: Not required.
- *Limitation and supervision of exposure into the environment:* Keep away from drains, surface and ground waters. Avoid release into the environment.

9 Physical and Chemical Properties

 Information on basic physical and cl General Information Appearance: 	nemical properties
Form: Color: · Odor: · Odor threshold:	Liquid Clear Recognizable Not determined.
· pH-value:	Not applicable.
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	Not determined. Not determined.
· Flash point:	None
 Flammability (solid, gaseous): 	Not applicable.
· Ignition temperature:	≥200 °C (≥392 °F)
 Decomposition temperature: 	Not determined.
· Auto igniting:	Product is not self-igniting.
• Danger of explosion:	Product does not present an explosion hazard.
• Explosion limits: Lower: Upper:	0.0 Vol % 0.0 Vol %
· Vapor pressure:	Not determined.
 Density: Relative density: Vapor density: Evaporation rate: 	Not determined. Not determined. Not determined.
 Solubility in / Miscibility with: Water: 	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water): Not determined.
· Viscosity: Dynamic:	Not determined.

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Kinematic:		Not determined.
· Solvent conte	ent:	
Solids cont • Other informa	ent: ation:	0.0 % No further relevant information available.
* 10 Stability an	d Reactivity	
Chemical stat Thermal deco Possibility of Conditions to Incompatible	hazardous reactions: No avoid: No further relevan materials: Strong acids, s	I conditions. o be avoided: No decomposition if used according to specifications. o dangerous reactions known. t information available.
*11 Toxicologie	cal Information	
· Acute toxicity	/:	
		?)
	lity of hazardous reactions: No dangerous reactions known. Ions to avoid: No further relevant information available. atible materials: Strong acids, strong bases and strong oxidizing agents. Iogical Information tion on toxicological effects: The toxicity of this product is unknown. oxicity: D values that are relevant for classification: 4 N-methyl-2-pyrrolidone (NMP) LD50 3,914 mg/kg (Rat) LD50 3,914 mg/kg (Rat) LD50 5,370 mg/kg (Rat) -5 d-limonene LD50 4,400 mg/kg (Rat) Remarks: Behavioral: Change in motor activity (specific assay). Respiratory disorder Skin and Appendages: Other: Hair LD50 >5,000 mg/kg (Rabbit) i riritant effect:	
	•	
	Remarks: Behavioral: C	
Dermal LD50	>5,000 mg/kg (Rabbit)	
On the skin: Irritant to skin May cause an On the eye: Ir Sensitization Additional to:	and mucous membranes. allergic skin reaction. ritating effect. Sensitization possible thr xicological information :	ough skin contact. ngers according to internally approved calculation methods for
Group 1 - Card Group 2A - Pro Group 2B - Po Group 3 - Not	categories: htional Agency for Resea cinogenic to humans obably carcinogenic to hur ssibly carcinogenic to hun classifiable as to its carcin bably not carcinogenic to h	nans nans ogenicity to humans
5989-27-5 d-l	imonene	3
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· NTP (National Toxicology Program):

None of the ingredients are listed.

• OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

2 Ecological Information

- *Toxicity:* The hazards for the aquatic environment are unknown.
- Aquatic toxicity:

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

872-50-4 N-methyl-2-pyrrolidone (NMP)

EC50 1.23-1.5 mg/l (Water flea)

5989-27-5 d-limonene

EC50 0.36 mg/l (Daphnia) (OECD Test Guideline 202)

- · Persistence and degradability: No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential: No further relevant information available.
- · Mobility in soil: No further relevant information available.
- Ecotoxical effects:
- · Remark: Very toxic for fish
- Additional ecological information:
- · General notes:

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

Poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

- Results of PBT and vPvB assessment:
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects: No further relevant information available.

3 Disposal Considerations

· Waste treatment methods:

· Recommendation:

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

· Uncleaned packagings

Transport Information

· Recommendation: Dispose of as unused product.

· UN-Number: · DOT, ADR/ADN, ADN, IMDG, IATA · UN proper shipping name:	Non-Regulated Material
· DOT, ADR/ADN, ADN, IMDG, IATA · Transport hazard class(es):	Non-Regulated Material
· DOT, ADR/ADN, ADN, IMDG, IATA · Class:	Non-Regulated Material

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Packing group: DOT, ADR/ADN, IMDG, IATA	Non-Regulated Material	
Environmental hazards:	Not applicable.	
Special precautions for user: Transport in bulk according to Annex	Not applicable.	
MARPOL73/78 and the IBC Code:	Not applicable.	
UN "Model Regulation":	Non-Regulated Material	
Regulatory Information		
Safety, health and environmental reg SARA (Superfund Amendments and I	ulations/legislation specific for the substan Reauthorization):	ce or mixture:
Section 355 (extremely hazardous su	bstances):	
None of the ingredients are listed.		
Section 313 (Specific toxic chemical	istings):	
872-50-4 N-methyl-2-pyrrolidone (NMP		
110-71-4 1,2-dimethoxyethane		
TSCA (Toxic Substances Control Act):	
All ingredients are listed or exempt from	listing.	
California Proposition 65:		
Chemicals known to cause cancer:		
None of the ingredients are listed.		
Chemicals known to cause reproduct	ive toxicity for females:	
None of the ingredients are listed.		
Chemicals known to cause reproduct	ive toxicity for males:	
None of the ingredients are listed.		
Chemicals known to cause developm	ental toxicity:	
872-50-4 N-methyl-2-pyrrolidone (NMP))	
New Jersey Right-to-Know List:		
872-50-4 N-methyl-2-pyrrolidone (NMP)		
110-71-4 1,2-dimethoxyethane		
New Jersey Special Hazardous Subst	ance List:	
872-50-4 N-methyl-2-pyrrolidone (NMP)		TE, F
110-71-4 1,2-dimethoxyethane		F3
Pennsylvania Right-to-Know List:		
872-50-4 N-methyl-2-pyrrolidone (NMP)	
110-71-4 1,2-dimethoxyethane		
Pennsylvania Special Hazardous Sub	stance List:	
None of the ingredients are listed.		
Carcinogenic categories:		
EPA (Environmental Protection Agen	су):	
None of the ingredients are listed.		
None of the ingredients are listed.		

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• NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients are listed. · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS). · Hazard pictograms: GHS07 GHS08 GHS09 · Signal word: Danger Hazard-determining components of labeling: 1,2-dimethoxyethane d-limonene N-methyl-2-pyrrolidone (NMP) Hazard statements: H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H360 May damage fertility or the unborn child. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. Precautionary statements: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. P264 Use only outdoors or in a well-ventilated area. P271 P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P340 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. P308+P313 P312 Call a POISON CENTER/doctor if you feel unwell. P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). P332+P313 If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. P333+P313 If eye irritation persists: Get medical advice/attention. P337+P313 Take off contaminated clothing and wash it before reuse. P362+P364 P363 Wash contaminated clothing before reuse. P391 Collect spillage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. • National regulations:

Nano of the ingrediente ore li

None of the ingredients are listed.

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· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Date of preparation / last revision: 09/06/2017 / 1 Abbreviations and acronvms: ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety and Health OSHA: Occupational Safety & Health Administration TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit Flam. Liq. 2: Flammable liquids - Category 2 Flam. Liq. 4: Flammable liquids - Category 4 Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Skin Sens. 1: Skin sensitisation - Category 1 Repr. 1: Reproductive toxicity - Category 1 Repr. 1B: Reproductive toxicity - Category 1B STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1 * Data compared to the previous version altered. SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106