



- 4. Severe Hazard
- 3. Serious Hazard
- 2. Moderate Hazard
- 1. Slight Hazard
- 0. Minimal Hazard

1. Product and Company Identification

Product Code: GPA-GP74
Product Name: Mechanical Cleaner
Manufacturer Information Company Name: Green Power Chemical
 P.O. Box 507
 Stanhope, NJ 07874
 800-932-9371
Emergency Contact (24 Hr.): InfoTrac: (800) 535-5053 (North America); 352-323-3500 (International)
Intended Use: Cleaning Compound, Industrial and Institutional Use Only

2. Hazards Identification

GHS Classification

GHS Classification
 Skin Corrosion/ Irritation, Category 2
 Serious Eye Damage/Eye Irritation, Category 2A

GHS Label Elements

GHS Hazard Phrases

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.

GHS Precautionary Statements

- P264 - Wash exposed skin thoroughly after handling.
- P280 - Wear protective gloves, eye protection.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P332+P313 - If skin irritation occurs: Get medical advice/attention.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P362 - Take off contaminated clothing and wash before reuse.

GHS Response

IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
SKIN: Wash with plenty of soap and water. If irritation occurs, get medical attention.

Other Hazards which do not Result in Classification None under normal conditions.

Placard	Key word	GHS Hazard
 GHS07	Warning Warning	Causes skin irritation. Causes serious eye irritation.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Dipropylene Glycol Monomethyl Ether	34590-94-8	1 - 10 %
2. Sodium Carbonate, Anhydrous	497-19-8	10 - 20 %

Substance: Mixture. Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

4. First Aid Measures

Emergency and First Aid Procedures

- General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.
- Skin:** Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: get medical advice/attention.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Allow victim to breathe fresh air. Allow the victim to rest.

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Most Important Symptoms and Effects (Acute and Delayed)

Symptoms/effects after skin contact: Causes skin irritation.
Symptoms/effects after eye contact: Causes serious eye irritation.

Specific Treatment No additional information available.

5. Fire Fighting Measures

Fire Fighting Instructions Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Specific Hazards from the Chemical No additional information available.

Suitable Extinguishing Media Foam. Dry powder. Carbon Dioxide. Water spray. Sand.

Unsuitable Extinguishing Media Do not use a heavy water stream.

Special Protective Equipment for Firefighters Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

For Non-Emergency Personnel: Safety glasses, gloves.

For Emergency Responders: Equip clean-up crew with proper protection.

Emergency Procedures: Ventilate area.

Environmental Precautions Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Materials for Containment and Cleaning Up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. **Note:** See section 8 of SDS, Exposure Controls and Personal Protection.

7. Handling and Storage

Precautions for Safe Handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene Measures: Wash exposed skin thoroughly after handling.

Conditions for Safe Storage: Keep container closed when not in use.

Incompatible Products: Strong oxidizers. Strong acids.

Incompatible Materials: Sources of ignition. Direct sunlight.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS), and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls/Personal Protection

Control Parameters: Sodium Carbonate, Anhydrous (497-19-8) – Not applicable.

Ingredient	CAS #	Type	Limit Value	Basis Revision Date	Additional Information
Dipropylene Glycol Monomethyl Ether	34590-94-8	STEL	150 ppm	US (ACGIH) 2012	
Dipropylene Glycol Monomethyl Ether	34590-94-8	TWA	100 ppm	US (ACGIH) 2012	
Dipropylene Glycol Monomethyl Ether	34590-94-8	IDLH	600 ppm	NIOSH September 2007	
Dipropylene Glycol Monomethyl Ether	34590-94-8	TWA	100 ppm 600 mg/m ³	US (OSHA) June 23, 2006	

Appropriate Engineering Controls Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves. Safety glasses.

Hand Protection: Wear protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Respiratory protection not required in normal conditions.

Other Information: Do not eat, drink or smoke during use.



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9. Physical and Chemical Properties

Physical States:	[] Gas	[X] Liquid	[] Solid
Freezing Point:	32°F		
Melting Point:	Not available.		
Boiling Point:	Not available.		
Flash Pt:	212°F		
Autoignition Temperature:	Not available.		
Decomposition Temperature:	Not available.		
Viscosity:	Dynamic: Not available.	Kinematic: Not available.	
Vapor Pressure (vs. Air or mm Hg):	Not available.		
Relative Density:	Not available.		
Specific Gravity/Density:	1.1		
Burning Time:	Not available.		
Burning Rate:	Not available.		
Evaporation Rate:	Not available.		
Flammability (solid, gas):	Not flammable.		
Lower & Upper Explosive Limits (Flammable):	Lower: Not available.	Upper: Not available.	
Explosive Properties:	Not available.		
Oxidizing Properties:	Not available.		
pH:	Not available.		
Solubility:	Not available.		
Solubility in Water:	Soluble in water.		
LogPow:	Not available.		
Appearance and Odor:	Appearance: Clear Liquid.	Odor: Slight ether-like odor.	
Odor Threshold:	Not available.		
Other Information	No additional information.		

10. Stability and Reactivity

Reactivity:	Stable under normal conditions.
Chemical Stability:	Unstable [] Stable [X]
Possibility of Hazardous Reactions:	Reacts violently with acids.
Conditions to Avoid:	Direct sunlight. Extremely high or extremely low temperatures.
Incompatibility - Materials to Avoid:	Strong oxidizers. Strong acids.
Hazardous Decomposition or Byproducts:	Fume. Carbon Monoxide. Carbon Dioxide.

11. Toxicological Information

Information on Toxicological Effects

Likely Routes of Exposure:	Skin and eye contact
Acute Toxicity:	Not Classified.

SODIUM CARBONATE, ANHYDROUS CAS# 497-19-8

Product/Ingredient Name	Result	Dose
Sodium Carbonate, Anhydrous (CAS 497-19-8)	LD50 Oral, Rat	4,090 mg/kg
	ATE US Oral	4,090 mg/kg body weight

Skin Corrosion/Irritation:	Causes skin irritation.	
Serious Eye Damage/irritation:	Causes serious eye irritation.	
Respiratory or Skin Sensitization:	Not classified.	
Germ Cell Mutagenicity:	Not classified.	
Carcinogenicity:	Not classified.	
Reproductive Toxicity:	Not classified.	
Specific Target Organ Toxicity:	Single Exposure: Not classified.	Repeated Exposure: Not classified.
Aspiration Hazard:	Not classified.	
Potential Adverse Health Effects:	Based on available data, the classification criteria are not met.	
Symptoms/Effects After Contact:	Eye: Causes skin irritation.	Skin: Causes serious eye irritation.

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DIPROPYLENE GLYCOL MONOMETHYL ETHER CAS# 34590-94-8

Product/Ingredient Name	Toxicity Type	Result	Dose	Exposure Time
Dipropylene Glycol Monomethyl Ether (34590-94-8)	Acute Oral	LD50, Rat	> 5,000 mg/kg	
	Acute Inhalation	LC50, Rat	> 275 ppm	7 Hours
	Acute Dermal	LD50, Rat	> 9,500 mg/kg	

Acute Oral Toxicity: Based on acute toxicity values, not classified. Ingestion of very large amounts may cause CNS depression, respiratory failure, and death in cases of severe over-exposure.

Acute Inhalation Toxicity: Based on acute toxicity values, not classified. May cause mild CNS depression. Exposure to vapor may cause irritation of the eyes, nose, or throat.

Acute Dermal Toxicity: Based on acute toxicity values, not classified.

Skin Corrosion/Irritation: Based on skin irritation values, not classified.

Serious Eye Damage/Eye Irritation: Based on eye irritation values, not classified.

Respiratory or Skin Sensitization: Respiratory sensitization no data available. No study available.

12. Ecological Information

Toxicity

Product/Ingredient Name	Result	Species	Dose
Sodium Carbonate, Anhydrous (497-19-8)	LC50 Fish 1	Fish - Fish	300mg/L
	EC50 Daphnia 1	Daphnia	265 mg/L
	LC50 Fish 2	Fish - Fish	740 mg/L

Persistence and Degradability

Sodium Carbonate, 10% w/v	Not established.
Sodium Carbonate, Anhydrous (497-19-8)	Not established.
Water (7732-18-5)	Not established.

Bioaccumulative Potential

Sodium Carbonate, 10% w/v	Not established.
Sodium Carbonate, Anhydrous (497-19-8)	Not established.
Water (7732-18-5)	Not established.

Mobility in Soil: No additional information available.

13. Disposal Considerations

Waste Disposal Method

Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation, as well as any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport Information

Department of Transportation: In accordance with DOT; not regulated.

15. Regulatory Information

US Federal Regulations: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

California Prop. 65: This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

16. Other Information

Hazardous Material Information System III (USA):

1	HEALTH
0	FLAMMABILITY
0	REACTIVITY
B	PPE

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

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NFPA:



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*NOTE: Hazard Determination System (HDS) rating are based on a 0-4 scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.