

SAFETY DATA SHEET

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

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Revision: 01/01/2019

Planisol-M Powder M-8580

1. Identification

Product Code: Product Name: GPC-PM-8580
Planisol-M Powder M-8580

Manufacturer Information

Company Name: Green Power Chemical
P.O. Box 507
Stanhope, NJ 07874

Emergency Contact: Chemtel (800)255-3924

Information: Concentrated Alkaline Detergent

Intended Use: For cleaning various metals in parts washers.

2. Hazards Identification

GHS Classification

GHS05 Corrosion



Causes serious eye damage

Causes severe skin burns and eye damage

Skin Corrosion 1C H314

Eye Dam. 1 H318

GHS Label Elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

GHS Precaution Phrases

Danger. Causes serious eye damage. Causes severe skin burns.

GHS Response Phrases

IF IN 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.

Hazard-Determining Components:

Sodium Metasilicate Pentahydrate

Tetrasodium EDTA

Emergency Overview/Precautionary

Statements

Do not breath dusts or mists.

Wear eye protection/face protection.

Wash thoroughly after handling.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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If in eyes:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a POISON CENTER/Doctor.

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Wash contaminated clothing before reuse.

If swallowed: Rinse mouth. Do NOT induce vomiting.

OSHA Regulatory Status:

This material is not classified as hazardous under OSHA regulations.

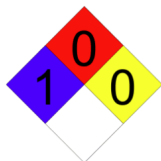
Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations

Unknown acute toxicity: 3% of the mixture consist of components of unknown toxicity.

Classification System:

NFPA Ratings:



HMIS Ratings:

Planisol-M/TASC Powder	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

Hazard(s) not otherwise classified (HNOC): None Known.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	RTECS (if applicable)
1. Sodium carbonate	497-19-8	Prop %	
2. Sodium meta silicate Pentahydrate	10213-79-3	Prop %	
3. Sodium Chloride	7647-14-5	Prop %	VZ4725000
4. Alcohol C9-11	68439-46-3	Prop %	
5. Tetrasodium EDTA	64-02-8	Prop %	AH5075000

Chemical Characterization: Mixtures

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

4. First Aid Measures

Emergency and First Aid Procedures

General Information: Immediately remove any clothing soiled by the product.

Eyes: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin: Immediately wash with water and soap and rinse thoroughly. If skin irritation occurs, consult a doctor.

Ingestion: Rinse out mouth and then drink plenty of water. Do not induce vomiting. Drink copious amounts of water and provide fresh air. Immediately call a doctor.

Inhalation: Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Seek medical attention for discomfort or if coughing or other symptoms do not subside.

Note to Physician

Treat symptomatically and supportively.

Signs and Symptoms of Exposure

No further relevant information available.

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5. Fire Fighting Measures

Flash Pt:	NP	Method Used:	Estimate
Explosive Limits:	LEL:		UEL:
Autoignition Pt:	NP		

Fire Fighting Instructions

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Special hazards arising from the substance or mixture:

If incinerated, product will release the following toxic fumes: Oxides of Carbon, Nitrogen (NO_x), Phosphorous, Silicon, Sodium and Hydrochloric acid gas.

Suitable Extinguishing Media

CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released or Spilled

Use respiratory protective device against the effects of fumes/dust/aerosol. Avoid formation of dust. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away.

Environmental Protections: Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Powder and fragments should be cleaned up using a method that will avoid the generation of dust in the workplace atmosphere. The use of a vacuum cleaner fitted with an exhaust air filter fine enough to trap the dust is recommended. Dispose of the collected material according to regulations.

Reference to other sections: See Section 7 for safe handling. See Section 8 for personal protective equipment. See section 13 for disposal information.

7. Handling and Storage

Precautions to Be Taken in Handling

Ensure good ventilation/exhaustion at the workplace.

Precautions to Be Taken in

Store away from strong acids, strong bases, and strong oxidizing agents.

Storing Requirements to be met by storerooms and receptacles:

Store in original container. No further relevant information about storing 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 the air below TLV & PEL limits.

Components with occupational exposure limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Personal Protective Equipment and General Protective and Hygienic Measures:

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

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Breathing Protection



Wear dust mask.

Eye Protection



Wear tightly sealed goggles.

Body Protection:



Wear protective work clothing.

Protection of Hands:

Wear Protective Gloves



The glove material has to be impermeable and resistant to the product/substance/preparation. Due to missing tests no recommendation to the glove material can be given for the product/preparation/chemical mixture. Select glove material based on penetration times, rates of diffusion, and degradation. 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

Penetration Time of Glove Material: The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

9. Physical and Chemical Properties

Information on basic physical and chemical properties.

Appearance:

Form:	Powder
Color:	White
Odor:	Mild
Odor threshold:	Not Determined.
pH-Value:	>11.5

Change in condition:

Melting point/Melting range: Not Determined

Boiling point/Boiling range: Not Determined

Flash Point: None

Flammability (solid, gaseous): Not Applicable

Ignition Temperature:

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: Not Determined.

Vapor Pressure: Not Determined

Density:

Relative Density: Not Determined

Vapor Density: Not Determined

Evaporation Rate: Not Determined

Solubility in / miscibility with:

Water: Soluble.

Partition Coefficient (n-octanol/water): Not Determined

Viscosity:

Dynamic: Not Determined

Kinematic: Not Determined

Solvent Content:

Organic Solvents: 0.0%

Solids Content: 95.4%

Other Information: No further relevant information available.

Planisol-M Powder M-8580**10. Stability and Reactivity****Reactivity:**

No information available.

Stability: Unstable [] Stable [X]

Thermal Decomposition /**Conditions to Avoid:**

No decomposition if used according to specifications.

Incompatible Materials:

Strong acids, strong bases, and strong oxidizing agents.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Hazardous Decomposition Products:

Oxides of Carbon, Nitrogen (NO_x), Phosphorous, Silicon, Sodium, and Hydrochloric acid gas.

11. Toxicological Information**Information on Toxicological Effects:****Acute Toxicity:**

LD/LC50 values that are relevant for classification:

497-19-8 Sodium Carbonate

Oral LD50 4090 mg/kg (rat)

Inhalative LC50/96 hours 300 mg/l (Fathead Minnow)

10213-79-3 Sodium Metasilicate Pentahydrate

Oral LD50 845 mg/kg (rat)

7647-14-5 Sodium Chloride

Oral LD50 3000 mg/kg (rat)

Dermal LD50 >10000 mg/kg (rabbit)

64-02-8 Tetrasodium EDTA

Oral LD50 630-1260 mg/kg (rat)

Primary Irritant Effect:

On the skin: Strong caustic effect on skin and mucous membranes.

On the eye: Strong irritant with the danger of severe eye injury. Corrosive effect. Causes serious eye irritation.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Corrosive

Irritant

Swallowing will lead to a corrosive effect on mouth and throat and to the danger of perforation of esophagus and stomach.

Carcinogenic Categories:**IARC (International Agency for Research on Cancer):**

Group 1 – Carcinogenic to humans

Group 2A – Probably carcinogenic to humans

Group 2B – Possibly carcinogenic to humans

Group 3 – Not classifiable as to its carcinogenicity to humans

Group 4 – Probably not carcinogenic to humans

None of the ingredients are listed.

NTP (National Toxicological Program):

None of the ingredients are listed.

OSHA-CA (Occupational Safety & Health Administration):

None of the ingredients are listed.

Planisol-M Powder M-8580**12. Ecological Information****Toxicity:****Aquatic Toxicity:****497-19-8 Sodium Carbonate**

EC50 227 mg/l (daphnia)

7647-14-5 Sodium Chloride

EC50 1661 mg/l (Water Flea)

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.**Additional Ecological Information:****General Notes:** Must not reach bodies of water or drainage ditch undiluted or unneutralized.**Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable**Other adverse effects:** No further relevant information available.**13. Disposal Considerations****Waste Treatment Methods and Recommendations:**

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

Uncleaned packaging recommendations: Dispose of as unused product. Disposal must be made according to official regulations.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. Transport Information**Globally Harmonized System of Classification and Labelling**

Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation. Causes Skin Irritation.

LAND TRANSPORT (US DOT)

Not regulated as a hazardous material.

DOT Shipping Name

Not regulated as a hazardous material.

DOT Hazard Class:

Not regulated as a hazardous material.

UN/NA Number:

Not regulated as a hazardous material.

Packing Group:

Not regulated as a hazardous material.

**LAND TRANSPORT
(Canadian TDG)**

Not regulated as a hazardous material.

**TDG Shipping
Name**

No information available.

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15. Regulatory Information

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

Sec.355: None of the ingredients are listed.

Sec.313: None of the ingredients are listed.

TSCA (Toxic Substances Control Act) Lists:

497-19-8 Sodium Carbonate

7647-14-5 Sodium Chloride

68439-46-3 Alcohol C9-11

64-02-8 Tetrasodium EDTA

California Proposition 65:

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Carcinogenic Categories:

EPA (Environmental Protection Agency): None of the ingredients are listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients are listed.

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:



Signal Word: Danger.

Hazard-determining components of labeling: Sodium Metasilicate Pentahydrate and Tetrasodium EDTA

Hazard Statements: Causes severe skin burns and eye damage.

Precautionary Statements: Do not breath dusts or mists. Wear eye protection/face protection. Wash thoroughly after handling. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CONTROL CENTER/doctor. Specific treatment (see supplementary first aid instructions on this Safety Data Sheet). IF INHALED: Remove person to fresh air and keep comfortable for breathing. Wash contaminated clothing before reuse. If swallowed: Rinse moth. Do NOT induce vomiting. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

National Regulations: The product is subject to be classified according with the latest version of the regulations on hazardous substances.

State Right to Know:

CAS#	Chemical Name	Concentration	RTECS (if applicable)
497-19-8	Sodium Carbonate	Prop%	
10213-79-3	Sodium Metasilicate Pentahydrate	Prop%	
7647-14-5	Sodium Chloride	Prop%	VZ4725000
68439-46-3	Alcohol C9-11	Prop%	
64-02-8	Tetrasodium EDTA	Prop%	AH5075000

All ingredients are listed.

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

Planisol-M Powder M-8580**16. Other Information****Company Policy or Disclaimer**

The information and recommendation 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: 01/01/19

Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Good 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 Cancer Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

PBT: Persistent, Bioaccumulative, and Toxic

VPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity – Single exposure, Hazard Category 3

*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.

***Data compared to the previous version altered.**