# Green Power RUST BLOCK Powder

**1. Product and Company Identification**

**HEALTH**

**1**

**FLAMMABILITY**

Flammability

Instability

**0**

Printed: 01/11/2015

Revision: 12/01/2015

**PHYSICAL**

**PPE**

**0**

**0**

**A**

**1**

Health

**0**

Special Hazard

**Product Code: Product Name:**

**Manufacturer Information Company Name:**

**Emergency Contact: Information:**

**Intended Use:**

00066

Rust Block Powder

Green Power

P.O. Box 507 Stanhope, NJ 07874

ChemTel (800)255-3924

Green Power

Metal Cleaning

**2. Hazards Identification**

**GHS Classification**

**GHS Classification**

**Placard**

**Key word GHS Hazard**

Serious Eye Damage/Eye Irritation, Category 2B

**GHS Hazard Phrases**

Causes eye irritation.

**GHS Precaution Phrases**

None

Warning

Causes eye irritation



Wash hands thoroughly after handling.

**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.

**GHS Storage and Disposal Phrases Emergency Overview**

Harmful if swallowed. Hygroscopic (absorbs moisture from the air).

**Route(s) of Entry:**

Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? Yes

**Potential Health Effects (Acute and Chronic)**

Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: May cause irritation of the digestive tract. Inhalation:

Chronic exposure may cause effects similar to those of acute exposure.

**LD 50 / LC 50**

Ingredient CAS# 68439-50-9, Polyphenoxy-glycols: CAS# 98-86-2: Dermal, guinea pig: LD50 = 20 mL/kg; Draize test, rabbit, eye: 750 ug Severe;

Inhalation, Mouse: LC50 = {> 91 mg/m3} Oral, mouse: LD50 = 740 mg/kg; Oral, mouse: LD50 = 1250 mg/kg;

Oral, rat: LD50 = 815 mg/kg; Oral, rat: LD50 = 2650 mg/kg;

Skin, Rabbit: LD50 = 15900 uL/kg;

**OSHA Regulatory Status:**

This material is not classified as hazardous under OSHA regulations.

**3. Composition/Information on Ingredients**

**Hazardous Components (Chemical Name)**

**CAS #**

**Concentration**

1. Polyphenoxy-glycols 60864-33-7

 Prop

1. Sodium carbonate 497-19-8 Prop
2. Sodium meta silicate 10213-79-3 Prop
3. Sodium Gluconate 157-07-1 Prop

**4. First Aid Measures**

**Emergency and First Aid Procedures**

Eyes: Get medical aid.

Skin: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse.

Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Inhalation: If breathing is difficult, give oxygen.

**Note to Physician**

Treat symptomatically and supportively.

**Signs and Symptoms of Exposure**

**5. Fire Fighting Measures**

**Flash Pt: Explosive Limits: Autoignition Pt:**

**Fire Fighting Instructions**

NP Method Used: Estimate

LEL: UEL:

NP

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Combustible liquid and vapor.

**Flammable Properties and Hazards** Ingredient CAS# 68439-50-9, {}: Some may burn but none ignite readily. Containers may explode when heated. Some may be transported hot.

**Suitable Extinguishing Media**

Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Unsuitable Extinguishing Media**

**6. Accidental Release Measures**

**Steps To Be Taken In Case Material Is Released or Spilled**

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

**7. Handling and Storage**

**Precautions to Be Taken in Handling**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Avoid ingestion and inhalation. Use only with adequate ventilation. Keep away from heat and flame. Avoid breathing spray or mist.

**Precautions to Be Taken in Storing**

Keep away from heat and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**8. Exposure Controls/Personal Protection**

**Hazardous Components (Chemical Name)**

**CAS # OSHA PEL**

**ACGIH TLV**

**Other Limits**

|  |  |  |
| --- | --- | --- |
| 1. | Polyphenoxy-glycols | 60864-33-7 |
| 2. | Sodium carbonate |  497-19-8  |
| 3. | Sodium meta silicate | 10213-79-3 |
| 4. | Sodium Gluconate |  9003-04-7  |

**Respiratory Equipment (Specify Type)**

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Eye Protection**

Wear chemical splash goggles.

**Protective Gloves**

Wear appropriate protective gloves to prevent skin exposure.

**Other Protective Clothing**

Wear appropriate protective clothing to minimize contact with skin.

**Engineering Controls (Ventilation etc.)**

Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Work/Hygienic/Maintenance Practices**

**9. Physical and Chemical Properties**

**Physical States: Freezing Point: Boiling Point:**

**Decomposition Temperature: Autoignition Pt:**

**Flash Pt:**

**Specific Gravity (Water = 1):**

**Vapor Pressure (vs. Air or mm Hg): Vapor Density (vs. Air = 1): Evaporation Rate:**

**Solubility in Water: Percent Volatile: VOC / Volume: HAP / Volume:**

**Saturated Vapor Concentration: pH:**

**Appearance and Odor**

Appearance: Light Green Powder Odor: Pleasant.

[ ] Gas [ ] Liquid [X] Solid

NA

NA

None NP

NP Method Used: Estimate

NA

NP NP

NA

1 Ib.

 N.D. NP NP NP

~ 10.5-11.5

**10. Stability and Reactivity**

**Stability:**

**Conditions to Avoid - Instability Incompatibility - Materials to Avoid**

Unstable [ ] Stable [X]

Strong reducing agents, Perchloric acid, Aldehydes, nitric acid + hydrogen peroxide.

**Hazardous Decomposition or Byproducts**

Carbon monoxide.

**Possibility of Hazardous Reactions:**

Will occur [ ] Will not occur [X]

**Conditions to Avoid - Hazardous Reactions**

**11. Toxicological Information**

Epidemiology: No information found.

Teratogenicity: No information available. Acetophenone had no adverse effects on reproductive or developmental processes of rats after dermal applications of 480 mg/kg on days 10 through 15 of gestation.

Cytogenetic Analysis: Hamster, Lung = 600 mg/L. Neurotoxicity: Other Studies:

**Carcinogenicity/Other Information**

CAS# 68439-50-9: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Hazardous Components (Chemical Name)**

**CAS # NTP IARC ACGIH OSHA**

|  |  |  |
| --- | --- | --- |
| 1. | Polyphenoxy-glycols | 60864-33-7 |
| 2. | Sodium carbonate |  497-19-8  |
| 3. | Sodium meta silicate | 10213-79-3 |
| 4. | Sodium Polyacrylate |  157-07-1  |
|  |

**Carcinogenicity:**

NTP? No IARC Monographs? No OSHA Regulated? No

**12. Ecological Information**

Ecotoxicity: Fish: Fathead Minnow: LC50 = 196 mg/L; 96 Hr; Flow-through at 24.6 C (pH 7.83)Bacteria: Phytobacterium phosphoreum: EC50 = 15.5 mg/L; 5,15,30 min; Microtox test at 15 C If released to soil, microbial degradation is likely to be the major degradation pathway. It is expected to be moderately to highly mobile in soil and may evaporate from dry soil surfaces. Biodegradation and volatilization are expected to be the major loss processes in water. The estimated biodegradation half-lives in groundwater, river water and lake water samples were 32 days, 8 days and 4.5 days, respectively.

Hydrolysis, oxidation and adsorption to suspended particles and sediments and bio-concentration in aquatic organisms are not likely to be important fate processes. Oxidation by hydroxyl radicals in air has an estimated half-life of 2.2 days. Other oxidants (eg, ozone) and photolysis do not appear to be important loss mechanism of this compound in air. Wet deposition may be important for the removal of atmospheric acetophenone.

Physical: No information available. Other: No information available.

**13. Disposal Considerations**

**Waste Disposal Method**

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.

RCRA P-Series: None listed. RCRA U-Series:

**14. Transport Information**

**Globally Harmonized System of Classification and Labelling**

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

**LAND TRANSPORT (US DOT)**

**DOT Proper Shipping Name DOT Hazard Class:**

**DOT Hazard Label:**

Not regulated as a hazardous material.

**UN/NA Number: Packing Group:**

**LAND TRANSPORT (Canadian TDG)**

**TDG Shipping Name**

No information available.

**15. Regulatory Information**

**US EPA SARA Title III**

**Hazardous Components (Chemical Name)**

**CAS #**

**Sec.302 (EHS) Sec.304 RQ Sec.313 (TRI) Sec.110**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. | Polyphenoxy-glycols | 60864-33-7 | No | No | No | No |
| 2. | Sodium carbonate |  497-19-8  | No | No | No | No |
| 3. | Sodium meta silicate | 10213-79-3 | No | No | No | No |
| 4. | Sodium Gluconate |  157-07-1  | No | No | No | No |
|  |  |  |  |  |  |  |

**US EPA CAA, CWA, TSCA**

**Hazardous Components (Chemical Name)**

**CAS #**

**EPA CAA EPA CWA NPDES EPA TSCA CA PROP 65**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. | Polyphenoxy-glycols | 60864-33-7 | HAP, ODC () | No | Inventory | No |
| 2. | Sodium carbonate |  497-19-8  | HAP, ODC () | No | Inventory | No |
| 3. | Sodium meta silicate | 10213-79-3 | HAP, ODC () | No | No | No |
| 4. | Sodium Gluconate |  157-07-1  | HAP, ODC () | No | No | No |
|  |  |  |  |  |  |  |

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

**Sec.302:**

**Sec.304:**

**Sec.313:**

**Sec.110:**

**TSCA (Toxic Substances Control Act) Lists:**

**Inventory: 5A (2):**

**6A:**

**8A:**

**8A CAIR:**

**8A PAIR:**

**8C:**

**8D:**

**8D TERM:**

**12(b):**

**Other Important Lists:**

**CWA NPDES:**

EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. \* indicates 10000 LB TPQ if not volatile.

EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. \*\* indicates statutory RQ.

EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.

EPA SARA 110 Superfund Site Priority Contaminant List

Chemical Listed in the TSCA Inventory.

Chemical Subject to Significant New Rules (SNURS) Commercial Chemical Control Rules

Toxic Substances Subject to Information Rules on Production Comprehensive Assessment Information Rules - (CAIR) Preliminary Assessment Information Rules - (PAIR)

Records of Allegations of Significant Adverse Reactions Health and Safety Data Reporting Rules

Health and Safety Data Reporting Rule Terminations Notice of Export

EPA Clean Water Act NPDES Permit Chemical

**CAA HAP: CAA ODC: CA PROP 65:**

**International Regulatory Lists:**

**EPA Hazard Categories:**

EPA Clean Air Act Hazardous Air Pollutant

EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC) California Proposition 65

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[ ] Yes [X] No Acute (immediate) Health Hazard [ ] Yes [X] No Chronic (delayed) Health Hazard

[ ] Yes [X] No Fire Hazard

[ ] Yes [X] No Sudden Release of Pressure Hazard [ ] Yes [X] No Reactive Hazard

**16. Other Information**

**Company Policy or Disclaimer**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

\*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.