

MATERIAL SAFETY DATA SHEET



SECTION I - PRODUCT IDENTIFICATION

Product Name: GREEN CONCEPTS Restroom, Tile & Grout Cleaner #25
Product Code Number: 5080.0
Product Use: Cleaner
WHMIS Class: Class D - Division 2B
DOT Classification: Not regulated as dangerous goods.
TDG Classification: Not regulated as dangerous goods.
Manufacturer/Supplier: ECO CONCEPTS, INC
 80 S.W. 8th Street
 Miami, FL 33130
 Phone: (888) 326-6278
 Fax: (786) 425-2552
 Email: sales@ecoconceptsusa.com
 Emergency Phone: (800) 535-5053

| LEGEND HMIS/NFPA | | Health | / | 1 |
|---------------------|---|---------------------|---|---|
| Severe | 4 | Flammability | | 0 |
| Serious | 3 | Physical Hazard | | 0 |
| Moderate | 2 | Personal Protection | | B |
| Slight | 1 | | | |
| Minimal | 0 | | | |



SECTION II - HAZARDOUS INGREDIENTS

| Ingredient(s) | CAS # | Wt% | OSHA PELS | ACGIH-TLV | LC50 | Oral LD50 |
|--|------------|-----------|----------------------------|----------------------------|---------------|-------------------------------------|
| Citric acid | 77-92-9 | 5 - 10 | 10 mg/m ³ - TWA | 10 mg/m ³ - TWA | Not available | 5040 mg/kg mouse; 3000 mg/kg rat |
| Alcohols, C12-15, ethoxylated | 68131-39-5 | 1 - 5 | Not established | Not established | 5 mg/l rat | 2000 mg/kg rat |
| Alcohols, C9-11, ethoxylated | 68439-46-3 | 1 - 5 | Not established | Not established | Not available | 1200 mg/kg rat |
| Amides, coco, N-[3-(dimethylamino)propyl], N-oxides | 68155-09-9 | 0.5 - 1.5 | Not established | Not established | Not available | 6500 mg/kg rat |

SECTION III - PHYSICAL DATA

| | | | |
|-----------------------------|-----------------|---|--|
| Boiling Point: | 100 °C | Specific Gravity: | 1.05 - 1.06 @25°C (77°F) (H ₂ O = 1) |
| Freezing Point: | 0 °C | Coefficient of Water/Oil Distribution: | Not available |
| Vapor Pressure: | Same as water | % Volatile: | 80-85% |
| Vapor Density: | Same as water | Evaporation Rate: | 1 (H ₂ O = 1) |
| Solubility in Water: | Complete | pH: | 2 - 3 |
| Physical State: | Liquid | Viscosity: | Same as water |
| Appearance: | Green Liquid | Odor Threshold: | Low odor |
| Odor: | Characteristic. | | |

SECTION IV - FIRE AND EXPLOSION DATA

| | | | |
|--|--|-------------|---------------|
| Flammability: | Not flammable by WHMIS/OSHA criteria. | | |
| Flash Point (Tag Closed Cup): | > 100.00 °C (> 212 °F) | LEL: | Not available |
| Hazardous Combustion Products: | May include and are not limited to: Oxides of carbon. | | |
| Autoignition Temperature: | Not available | | |
| Explosion Data: | | | |
| Sensitivity to Mechanical Impact: | Not available | | |
| Sensitivity to Static Discharge: | Not available | | |
| Means of Extinction: | Carbon dioxide. Water spray. Dry chemical. Foam. | | |
| Special Fire Hazards: | Firefighters should wear a self-contained breathing apparatus. | | |

SECTION V - REACTIVITY DATA

| | |
|---|---|
| Conditions for Chemical Instability: | Stable. |
| Incompatible Materials: | Strong oxidizing agents. Caustics. Reducing agents. |
| Reactivity, and Under What Conditions: | Do not mix with other chemicals. |
| Hazardous Decomposition Products: | May include and are not limited to: Oxides of carbon. |

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

- Eye:** May cause irritation.
Skin: May cause irritation.
Inhalation: May cause respiratory tract irritation.
Ingestion: May cause stomach distress, nausea or vomiting.

EFFECTS OF CHRONIC EXPOSURE:

- Skin:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Irritancy: Hazardous by WHMIS/OSHA criteria.
Respiratory Tract Sensitization: Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity: Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity: Non-hazardous by WHMIS/OSHA criteria.
Reproductive Effects: Non-hazardous by WHMIS/OSHA criteria.
Synergistic Materials: Not available
-

SECTION VII - PREVENTATIVE MEASURES

- Gloves:** Rubber gloves. Confirm with a reputable supplier first.
Eye Protection: Safety glasses
Respiratory Protection: Not normally required if good ventilation is maintained.
Other Protective Equipment: As required by employer code.
Engineering Controls: General ventilation normally adequate.
Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal: Review federal, state/provincial, and local government requirements prior to disposal.
Handling Requirements: Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product.
Storage Requirements: Keep out of reach of children. Store in a closed container away from incompatible materials.
-

SECTION VIII - FIRST AID

- Eye:** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Skin: Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
-

SECTION IX - PREPARATION INFORMATION

Effective Date: 14-Sep-2007

Expiry Date: 14-Sep-2010

Issue Date: 14-Sep-2007

Prepared By: Eco Concepts, Attn Technical Director (888) 326-6278

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.