

Safety Data Sheet

Issued Date: May 19, 2015

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name Grn-629 Heavy Duty Floor Cleaner

Other means of identification

Product Code Grn-629

Recommended use of the chemical and restrictions on use

Recommended Use Heavy Duty Floor and Surface Cleaner

Details of the supplier of the safety data sheet

Missouri Vocational Enterprises
2727 Highway K
Bonne Terre, MO 63628
Phone: (573) 358-5516

Emergency Telephone Number

INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDOUS IDENTIFICATION

Signal Word DANGER

| Classification | Hazard Category |
|---------------------------|-----------------|
| Eye Damage/Irritation | 1 |
| Aquatic Toxicity, Acute | 3 |
| Aquatic Toxicity, Chronic | 3 |

Hazard Statement(s)

H318 – Causes serious eye damage
H402 – Harmful to aquatic life
H412 – Harmful to aquatic life with long lasting effects

Hazard Pictogram(s)



Precautionary Statement(s)

P280 – Wear protective gloves/ protective clothing/ eye protection/ face protection
P264 – Wash face, hands, and any exposed skin thoroughly after handling
P273 – Avoid release to the environment
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 – If eye irritation persists: Get medical advice/attention
P501 – Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENT

| Chemical Name/Pure Substance | CAS # | Weight-% |
|---|------------|----------|
| Water | 7732-18-5 | 85-90 |
| Sodium Citrate | 68-04-02 | 5-10 |
| Alcohols, C9-11, branched and linear, ethoxylated | 68439-46-3 | 5-10 |

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

| | |
|-----------------------|---|
| General Advice | If you feel unwell, seek medical advice (show label where possible). |
| Eye Contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. |
| Inhalation | Remove to fresh air. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

Most important symptoms and effects

Symptoms Contact may cause irritation and redness.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Not Determined.

Specific Hazards Arising from the Chemical

Non-flammable solution.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Methods and material for containment and clean up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Use personal protection recommended in Section 8. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing vapors or mists.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH, TLV | OSHA, PEL | Carcinogen |
|---|------------|-----------|------------|
| Sodium Citrate | N/A | N/A | N/A |
| Alcohols, C9-11, branched and linear, ethoxylated | N/A | N/A | N/A |

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Avoid contact with eyes.

Skin and Body Protection

Wear suitable protective clothing.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State

Liquid

Odor

Not Determined

Color

Clear

Odor Threshold

Not Determined

Property

Values

Remarks - Method

pH

7.0 - 8.0

Melting Point/Freezing Point

Not Determined

Boiling Point/Boiling Range

Not Determined

Flash Point

Not Determined

Evaporation Rate

Not Determined

Flammability (Solid, Gas)

Liquid- Not Applicable

Upper Flammability Limits

Not Determined

Lower Flammability Limits

Not Determined

Vapor Pressure

Not Determined

Vapor Density

Not Determined

Specific Gravity

1.0469 g/L

Water Solubility

Not Determined

Solubility in other solvents

Not Determined

Partition Coefficient

Not Determined

Auto-ignition Temperature

Not Determined

Decomposition Temperature

Not Determined

Kinematic Viscosity

Not Determined

Dynamic Viscosity

Not Determined

Explosive Properties

Not Determined

Oxidizing Properties

Not Determined

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| Reactivity | Not reactive under normal conditions. |
| Chemical Stability | Stable under recommended storage conditions. |
| Conditions to Avoid | Keep out of reach of children. |
| Incompatible materials | None known based on information supplied. |
| Hazardous Decomposition Products | None know based on information supplied. |
| Hazardous Polymerization | Not Available. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|--------------|---|
| Eye Contact | Avoid contact with eyes. |
| Skin Contact | May cause an allergic skin reaction. Causes skin irritation. May be harmful in contact with skin. |
| Inhalation | Avoid breathing vapors or mists. |
| Ingestion | Do not taste or swallow. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|--------------------|----------------------|-----------------|
| Sodium Citrate (CAS 68-04-2) | = 1546 mg/kg (Rat) | - | - |
| Alcohols, C9-11, branched and linear, ethoxylated (CAS 68439-46-3) | >2000 mg/kg (Rat) | >3300 mg/kg (Rabbit) | - |

Information on physical, chemical, and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not classifiable as a human carcinogen.

Numerical measures of toxicity

Not Determined

12. ECOLOGICAL INFORMATION

Ectotoxicity (Aquatic and Terrestrial)

Harmful to aquatic life

Harmful to aquatic life with long lasting effects

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|----------------------|--|----------------------------|-----------|
| Alcohols, C9-11, branched and linear, ethoxylated | - | LC50 (96 h): 8.5 mg/L Species: Fathead minnow | - | - |

Heavy Duty Floor Cleaner
Persistence/Degradability
Not Determined.

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Bioaccumulation
Not Determined.

Mobility
Not Determined.

Other Adverse Effects
Not Determined.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes
Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

| | |
|--------------------------|---------------|
| DOT I.D. Number | Not Available |
| DOT Proper Shipping Name | Not Available |
| DOT Hazard Classes: | Not Available |
| US DOT | Not Available |
| Road (ADR) | Not Available |
| Air (ICAO/IMDG) | Not Available |
| Sea (IMO/IMDG) | Not Available |
| Packing Group | Not Available |
| DOT Label | Not Available |

15. REGULATORY INFORMATION

International Inventories
Not Determined

US Federal Regulations
Not Determined

SARA 313
None Known

US State Regulations
Not Determined

US State Right-to-Know Regulations
None Known

16. OTHER INFORMATION**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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