

Safety Data Sheet

Issued Date: May 26, 2015

Revision Date: May 26, 2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Grn-602 All Purpose Cleaner

Other means of identification

Product Code Grn-602

Recommended use of the chemical and restrictions on use

Recommended Use General purpose 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 **WARNING**

Classification	Hazard Category
Skin - Corrosion/Irritation	2
Serious Eye - Damage/Irritation	2A
Acute Toxicity - Oral	Not Classified
Acute Toxicity - Dermal	Not Classified
Specific Target Organ Toxicity - Single Exposure	3

Health Hazard Statement(s)

H315 – Causes skin irritation
H319 – Causes serious eye irritation

Hazard Pictogram(s)



Hazard Ratings

	HMIS	NFPA
Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
PPE	N/A	N/A

Precautionary Statement(s)

P102 – Keep out of the reach of children
P264 – Wash thoroughly after handling
P280 – Wear gloves, protective clothing, eye and face protection
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.
P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
P332+P313 – If skin irritation occurs: Get medical advice/attention.

P363 – Wash contaminated clothing before reuse.

P420 – Store away from other materials.

P501 – Dispose of contents/container in accordance with local authority requirements.

Potential Health Effects

Skin Contact	Danger: Corrosive: May cause severe irritation, and possibly burns
Eye Contact	Danger: Corrosive: May cause severe irritation, and possibly irreversible eye damage
Inhalation	May cause irritation
Ingestion	May cause irritation, pain, burns, vomiting, nausea, and diarrhea

3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name/Pure Substance	CAS #	Weight-%
Non-Ionic Surfactant	Proprietary	5-10
N,N-dimethyl 9-decenamide	1356964-77-6	1-5
Sodium metasilicate	6834-92-0	1-5

**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	Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If easy to do, remove contact lens after the first 2 minutes. Continue rinsing. Get medical attention if irritation develops and persists.
Skin Contact	Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms and effects

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemicals, foam, carbon dioxide, water fog

Unsuitable Extinguishing Media: Not available

Specific Hazards Arising from the Chemical

During fire, gases hazardous to health may be formed.

Protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Keep unnecessary personnel away. Ensure adequate ventilation. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.
Environmental precautions	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

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	Large spills: Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear appropriate personal protective equipment. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Provide adequate ventilation. Do not mix with other chemicals. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible material (see Section 10 of the SDS). Keep at temperatures between 4 and 49°C. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Engineering Controls Use general ventilation. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Wear safety glasses with side shields (or goggles).
Skin and Body Protection	Wear protective gloves.
Respiratory Protection	No personal respiratory protective equipment normally required.
General Hygiene Considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Liquid	Odor	Citrus/Floral
Color	Blue green	Odor Threshold	Not Determined
Property	Values	Remarks - Method	
pH	11.7 Concentrate	10.6 (1:20 dilution)	

Melting Point/Freezing Point	0° C (32° F)
Boiling Point/Boiling Range	100° C (212° F)
Flash Point	None to Boiling
Evaporation Rate	Not Available
Flammability (Solid, Gas)	Liquid- Not Applicable
Upper Flammability Limits	Not Available
Lower Flammability Limits	Not Available
Vapor Pressure	Not Available
Vapor Density	Not Available
Specific Gravity	1.09 g/mL
Water Solubility	Not Available
Solubility in other solvents	Not Available
Partition Coefficient	Not Available
Auto-ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Water-thin
Explosive Properties	Not Available
Oxidizing Properties	Not Available

10. STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical Stability	The product is stable under normal conditions.
Conditions to Avoid	Contact with incompatible materials. Do not mix with other chemicals.
Incompatible materials	Acids. Oxidizing agents.
Hazardous Decomposition Products	No hazardous decomposition products are known.
Hazardous Polymerization	Not Available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact	Causes serious eye irritation.
Skin contact	Causes skin irritation.
Ingestion	Expected to be a low ingestion hazard.
Inhalation	No adverse effects due to inhalation are expected.

Symptoms related to the physical, chemical, and toxicological characteristics

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Toxicological information

Meets GS-37 requirements for skin and eye irritation at the as-used dilution.

12. ECOLOGICAL INFORMATION

Ectotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	Based on the biodegradability data of the components, this material is expected to be biodegradable.

Bioaccumulative potential	This material does not contain chemicals that have known bioaccumulative potential.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazardous Waste Code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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 regulated as dangerous goods.
DOT Proper Shipping Name	Not Available
DOT Hazard Classes:	
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

U.S. Federal Regulations

Contents of this SDS comply with OSHA Hazard Communication Standard CFR 1910.1200.

OSHA Hazard Communication Standard (29 CFR 1910.1200)

(X) Hazardous () Non- Hazardous

SARA TITLE III

Section 302/304

Section 311/312

Section 313

Extremely Hazardous Substances: No

(40CFR370) Hazardous Categories: No

Contains the following SARA 313 Toxic Release Chemicals: No

CERCLA

CERCLA Regulatory

Not Applicable

State Regulations

California Prop 65

This product may contain the following ingredient(s) known to the state of California to cause cancer, birth defects or other reproductive harm: None

Inventories

United States and Puerto Rico: TSCA Inventory: Yes

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.

Issue Date: May 26, 2015
Revision Date: May 26, 2015
Revision Number: 1
Prepared By: Ryan AuBuchon, Chemist I