

Safety Data Sheet

Issued Date: June 17, 2015

Revision Date: June 17, 2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Grn-620 Hard Surface Floor Stripper

Other means of identification

Product Code Grn-620

Recommended use of the chemical and restrictions on use

Recommended Use Low odor stripper for Zinc (Metal) and Non-metal complex floor finish and sealers floors.

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
Skin - Corrosion/Irritation	1 Sub-category C
Acute Toxicity – Inhalation (Dusts/Mists)	4
Specific Target Organ Toxicity - Single Exposure	3

Health Hazard Statement(s)

H314 – Causes severe skin burns and eye damage.
H332 – Harmful if inhaled.
H335 – May cause respiratory irritation.
H336 – May cause drowsiness or dizziness.

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)

P260 – Do not breathe dust/fume/gas/mist/vapors/spray.
P264 – Wash face, hands and any exposed skin thoroughly after handling.
P271 – Use only outdoors or in a well-ventilated area.
P280 – Wear protective gloves/protective clothing/ eye protection/face protection.
P301+P330+P331 – IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.
P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 – Wash contaminated clothing before reuse.

P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 – Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 – Immediately call a POISON CENTER or doctor/physician.

Potential Health Effects

Skin Contact	May cause skin corrosion/irritation/burns.
Eye Contact	May cause eye damage.
Inhalation	May cause respiratory irritation.
Ingestion	May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name/Pure Substance	CAS #	Weight-%
Water	7732-18-5	30-40
Benzyl Alcohol	100-51-6	20-30
Monoethanolamine	141-43-5	10-20
3-Methoxy-3-Methyl-1-Butanol	56539-66-3	10-20
Tall Oil Fatty Acid	61790-12-3	5-15
Iminodisuccinic Acid Tetrasodium Salt	114538-83-0	<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	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Skin Contact	Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion	Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects

Symptoms	Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. Prolonged contact may even cause severe skin irritation or mild burn.
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5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media that is appropriate to local circumstances.

Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical

Not determined.

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.
- Environmental precautions See Section 12 for additional ecological information.

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

Handle in accordance with good industrial hygiene and safety practice. Use only in well ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

- Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.
- Incompatible Materials Strong Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Monoethanolamine 141-43-5	STEL: 6 ppm TWA: 3 ppm	TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³	IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³

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 Wear approved safety goggles.
- Skin and Body Protection Wear appropriate clothing to prevent repeated or prolonged skin contact.
- Respiratory Protection Ensure adequate ventilation, especially in confined areas.
- General Hygiene Considerations Do not eat, drink, or smoke when using this product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Physical State Liquid
- Color Clear Amber
- Odor Not Determined
- Odor Threshold Not Determined

Property	Values	Remarks - Method
pH	11.2	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	212 °F (100 °C)	
Flash Point	Not determined	
Evaporation Rate	Not determined	

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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	0.99 g/L
Water Solubility	Complete
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
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	Strong acids.
Hazardous Decomposition Products	None known based on information supplied.
Hazardous Polymerization	Not available.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Eye contact	Causes severe eye damage.
Skin contact	Causes severe burns. May be harmful in contact with skin.
Ingestion	Harmful if swallowed.
Inhalation	Harmful if inhaled.

Chemical Name	Oral LD50	Dermal LD	Inhalation LC50
Benzyl alcohol 100-51-6	=1230 mg/kg (Rat)	=2000 mg/kg (Rabbit)	>8.8 mg/L (Rat) 4 h
Monoethanolamine 141-43-5	=1720 mg/kg (Rat)	=1 mL/kg (Rabbit) =1025 mg/kg (Rabbit)	-
Tall Oil Fatty Acid 61790-12-3	=7600 mg/kg (Rat)	-	-

Symptoms related to the physical, chemical, and toxicological characteristics

Please see section 4 of this SDS for symptoms.

Carcinogenicity	Not available.
Reproductive toxicity	Not available.
Toxicological information	Not available.

12. ECOLOGICAL INFORMATION

Ectotoxicity

Toxic to aquatic organisms. Toxic to aquatic organisms with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Benzyl Alcohol 100-51-6	35: 3 h <i>Anabeana variabilis</i> mg/L EC50	460: 96 h <i>Pimephales promelas</i> mg/L LC50 static 10: 96 h <i>Lepomis macarochirus</i> mg/L LC50 static	EC50= 50 mg/L 5 min EC50= 63.47 mg/L 15 min EC50= 63.47 mg/L 5 min EC50= 71.4 mg/L 30 min	23: 48 h water flea mg/L EC50
Monoethanolamine 141-43-5	15: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	227: 96 h <i>Pimephales promelas</i> mg/L LC50 flowthrough 3684: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 300-1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 114-196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through	-	65: 48 h <i>Daphnia magna</i> mg/L EC50
Tall Oil Fatty Acid 61790-12-3	100: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	-	-	-

Persistence and degradability Not determined.

Bioaccumulative potential Not determined.

Other adverse effects Not determined.

13. DISPOSAL CONSIDERATIONS

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

Hazardous Waste Code Not available.

Waste from residues / unused products 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 UN2491
DOT Proper Shipping Name Ethanolamine solutions
DOT Hazard Classes:
 US DOT 8
 Road (ADR) 8
 Air (ICAO/IMDG) 8
 Sea (IMO/IMDG) 8

Packing Group III
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)

Not available.

SARA TITLE III

Section 302/304

Section 311/312

Section 313

Extremely Hazardous Substances: Not determined.

(40CFR370) Hazardous Categories: Not determined.

Contains the following SARA 313 Toxic Release Chemicals: None based on the information provided.

CERCLA

CERCLA Regulatory

Not determined.

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 based on the information provided.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Benzyl Alcohol 100-51-6		X	X
Monoethanolamine 141-43-5	X	X	X

Inventories

Not determined.

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: June 17, 2015

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