

Safety Data Sheet

Issued Date: March 23, 2016

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name GRN-636D H.E. Liquid Laundry Detergent, Dye and Fragrance Free

Other means of identification

Product Code GRN-636D

Recommended use of the chemical and restrictions on use

Recommended Use Liquid laundry detergent for high efficiency or household type washing machines.

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	1A
Serious Eye Damage/Irritation	1
Specific Target Organ Toxicity - Single Exposure	3

Health Hazard Statement(s)

H315 – Causes skin irritation

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H319 – Causes serious eye irritation.

H335 – May cause respiratory irritation.

Hazard Pictogram(s)



Hazard Ratings

	HMIS	NFPA
Health	2	2
Flammability	0	0
Reactivity	0	0
PPE	X	N/A

Precautionary Statement(s)

P261 – Avoid breathing 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.

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

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing.

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

P363 – Wash contaminated clothing before reuse.

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

P501 – Dispose of contents/container in accordance with local, regional, national, and international regulations.

Potential Health Effects

Skin Contact	May cause severe skin burns.
Eye Contact	May cause severe 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	70-75
Acrymal S-1450	Proprietary	20-25
Sodium Carbonate	497-19-8	0-2
Citric Acid	77-92-9	0-2
Sodium Hydroxide Beads	1310-73-2	0-1
Kelzan ASX-T	11138-66-2	0-1
Isocil IG	Proprietary	0-1

**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. Give 2-4 glasses of water. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects

Symptoms	Symptoms may include stinging, tearing, redness, swelling, blurred vision, skin irritation, and pain.
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5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water fog, foam, dry chemical powder, or Carbon Dioxide

Unsuitable Extinguishing Media: Water jet.

Specific Hazards Arising from the Chemical

Heating or fire can release gases or fumes which could be hazardous to health.

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 Keep unnecessary personnel away. 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. Dike the spilled material, where this is possible.

Methods for Clean up After the spilled material is contained, absorb in vermiculite, dry sand, or earth. Keep in suitable, closed containers for disposal. Clean surface thoroughly to remove residual contamination.

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. Do not store in direct sunlight.

Incompatible Materials See section 10 of this SDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
-	-	-	-

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Government agencies exposure limits take precedence over the exposure limits expressed on this SDS where applicable.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear approved safety glasses.

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 **Odor** Not Determined
Color Colorless **Odor Threshold** Not Determined

Property Values Remarks - Method

pH 8-9
Melting Point/Freezing Point Not available

Boiling Point/Boiling Range	Not available
Flash Point	Not available
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	1.03
Water Solubility	Complete
Solubility in other solvents	Not available
Partition Coefficient	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Explosive Properties	Not available
Oxidizing Properties	Not available

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, strong oxidizing agents, and amines.
Hazardous Decomposition Products	Carbon oxides, sodium oxides, sulfur oxides, and hydrogen chloride gas
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity	Toxicological data have not been determined specifically for this product.
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12. ECOLOGICAL INFORMATION

Ecotoxicity	Ecological studies have not been carried out on this product.
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13. DISPOSAL CONSIDERATIONS

Disposal Instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways, or ditches with chemical or used container. Dispose of in accordance with local, regional, national, and international laws and regulations.
Hazardous Waste Code	Not available.
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	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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:	
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: Acute

Contains the following SARA 313 Toxic Release Chemicals: No

CERCLA

CERCLA Regulatory

None based on the information supplied.

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 supplied.

Inventories

Component	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Sodium Carbonate (497-19-8)	X	X	X	X	X	X	X	X
Sodium Hydroxide (1310-73-2)	X	X	X					

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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