MATERIAL SAFETY DATA SHEET from STEARNS PACKAGING CORPORATION

SECTION I—PRODUCT/MANUFACTURER’S IDENTITY

IDENTITY (As Used On Label and List):

Emerald Dishwashing Liquid

SYNONYMS:
ST-50, ST-199
Emerald Green Dishwashing Liquid
Emerald Plus Dishwashing Liquid

FORMULA ID NUMBER: DL20
EPA REG #: None
NSF CERTIFIED: None

COMPANY: STEARNS PACKAGING CORPORATION
ADDRESS: 4200 Sycamore Ave. (53714), PO Box 3216
Madison, Wisconsin (WI) 53704-0216
PHONE: 1 (608) 246–5150
FAX: 1 (608) 246–5149
INTERNET: www.stearnspkg.com
EMAIL: steans@stearnspkg.com

For Transportation Emergency Involving Hazardous Materials Contact: CHEM-TEL 1 (800) 255–3924

Shipping Information:
DOT SHIPPING NAME: Compound cleaning, NOI, liquid, Item 48580, Sub 3, Class 55
DOT SHIPPING NUMBER: None
HAZARD LABEL: None
HAZARD CLASS: None

SECTION II—HAZARDOUS INGREDIENTS OR IDENTITY INFORMATION

<table>
<thead>
<tr>
<th>HAZARDOUS CHEMICAL</th>
<th>CAS#</th>
<th>HAZARD</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER LIMITS</th>
<th>% (OPTIONAL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>Irritant</td>
<td></td>
<td></td>
<td></td>
<td>&lt; 80 %</td>
</tr>
<tr>
<td>Sodium dodecybenzene sulfonate</td>
<td>25155-30-0</td>
<td>Irritant</td>
<td></td>
<td></td>
<td></td>
<td>13 – 18 %</td>
</tr>
<tr>
<td>Cocamide diethanolamide</td>
<td>68603-42-9</td>
<td>Irritant</td>
<td></td>
<td></td>
<td></td>
<td>2 – 3 %</td>
</tr>
<tr>
<td>Alcohol ether sulfate</td>
<td>32612-48-9</td>
<td>Irritant</td>
<td>1,000 ppm</td>
<td>1,000 ppm</td>
<td></td>
<td>1 – 2 %</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>Irritant</td>
<td></td>
<td></td>
<td></td>
<td>&lt; 1 %</td>
</tr>
</tbody>
</table>

SARA SECTION 313 TITLE III NOTIFICATION REQUIRED: No; CHEMICAL IN PRODUCT: None; CAS#: N/A; WEIGHT % OF CHEM: N/A

SECTION III—PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: Not Determined
SPECIFIC GRAVITY (WATER=1): 1.03
MELTING POINT: Not Determined
SOLUBILITY IN WATER: Complete
APPEARANCE AND ODOR: Dark green, clear liquid
Dish detergent fragrance

VAPOR PRESSURE (mm Hg): Not Determined
VAPOR DENSITY (AIR=1): Not Determined
EVAPORATION RATE: Not Determined
pH (CONCENTRATE): 6.50 ± 0.5
pH (1% SOLUTION): Not Determined

SECTION IV—FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Non-combustible, >200°F
EXTINGUISHING MEDIA: Not Applicable
FLAMMABLE LIMITS: LEL: Not Applicable
UEL: Not Applicable
SPECIAL FIRE FIGHTING PROCEDURES: Use full protective clothing and self-contained breathing apparatus.

FIRE & EXPLOSION HAZARDS: None
### SECTION V—REACTIVITY DATA

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>STABILITY:</td>
<td>Stable</td>
</tr>
<tr>
<td>INCOMPATIBILITY (MATERIALS TO AVOID):</td>
<td>Avoid sustained contact with copper or alloys.</td>
</tr>
<tr>
<td>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</td>
<td>None known</td>
</tr>
<tr>
<td>CONDITIONS TO AVOID:</td>
<td>Freezing and extremes of heat</td>
</tr>
<tr>
<td>HAZARDOUS POLYMERIZATION:</td>
<td>Will not occur</td>
</tr>
</tbody>
</table>

### SECTION VI—HEALTH HAZARD DATA/FIRST AID PROCEDURES

**HEALTH HAZARDS (ACUTE AND CHRONIC):** Irritation of eyes.

**CARCINOGENICITY:**
- NTP: No
- IARC Monographs: No
- OSHA Regulated: No

**SIGNs AND SYMPTOMS OF OVEREXPOSURE:** Irritation of eyes and possibly upon direct prolonged contact with skin. Mists may irritate the mucous membranes.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** No data available.

**EMERGENCY AND FIRST AID PROCEDURES:**

- **Eyes:** If contact with eyes occurs, flush with plenty of cool water for 15 minutes. Consult a physician.
- **Skin:** May be irritating to skin. If contact occurs, flush with water and wear gloves in the future to minimize exposure. Wash hands thoroughly after handling. Discontinue use if irritation persists and consult a physician.
- **Inhalation:** Remove from exposure. Obtain medical attention immediately.
- **Ingestion:** May be harmful if swallowed. If ingested, drink large amounts of water or milk. **DO NOT** induce vomiting. Get medical attention immediately. Avoid contamination of foods.

**Note to Physician:** No specific antidote. Use supportive care. Treatment should be based on judgment of the physician in response to the reactions of the patient.

### SECTION VII—PRECAUTIONS FOR SAFE HANDLING AND USE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** May be flushed with water. Material is biodegradable and may be sewer.

**WASTE DISPOSAL METHOD:** Waste disposal must be done in accordance with all local, city or municipality, county, state, and federal regulations. Consult your state department of natural resources or the EPA for specific questions not answerable through other sources. Wastewater should never enter a fresh water body without treatment.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store at room temperature. Keep container closed when not in use.

**OTHER PRECAUTIONS:** Always keep product out of the reach of children.

### SECTION VIII—OTHER REGULATORY INFORMATION

### SECTION IX—CONTROL MEASURES

**RESPIRATORY PROTECTION:** In general, respirators are not needed if the product is used in a well-ventilated area.

**VENTILATION:**
- Local Exhaust: Not required.
- Mechanical (General): Not required.

**SKIN PROTECTION:** Neoprene, rubber, or other chemical resistant gloves. Wear protective clothing to prevent repeated or prolonged contact.

**EYE PROTECTION:** Splash goggles, or safety glasses if splashing is not a concern.

**WORK/HYGIENIC PRACTICES:** As good hygiene dictates.

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