Section 1 – Identification

Product Identifier: Ship Shape HE Laundry Soap

Other means of Identification: High Efficiency Laundry Soap

Name and Address of Responsible Parties:

King Research, Inc
7025 W. Marcia Rd.
Milwaukee, WI  53223

Information Telephone #: 1-800-222-8160
24 Hr. Emergency Telephone Number: INFOTRAC- 1-800-535-5053
International 24 Hr. Emergency Telephone Number: INFOTRAC – 1-352-323-3500
Contract # - 106253

Section 2 – Hazards Identification

Classification of the Chemical: Slightly opaque blue liquid with pleasant fresh scent.

This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012).

Hazardous classification:  Eye irritation – Category 2B

Label elements:

Signal Word: Warning

Hazard Statements:  Causes eye irritation

Precautionary Statements:  Wash hands thoroughly after handling.
If on Skin: Wash with plenty of soap and water.
If skin irritation occurs get medical advice/attention.
Wear protective gloves.
Wear eye protection such as goggles or safety glasses with side shields.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Section 2 – Hazards Identification (continued)

If eye irritation persists get medical advice/attention. Dispose of contents/container in accordance with local, state, federal or international regulations.

Hazard Pictogram(s): Not Applicable

Other Hazards not otherwise classified: Not Applicable

Section 3 – Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name, Common Name</th>
<th>CAS #</th>
<th>Concentration wt/wt(*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkylbenzenesulfonic acid (C10-C16)</td>
<td>68584-22-5</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>&lt;1.0</td>
</tr>
<tr>
<td>Nonylphenol Polyethoylate</td>
<td>127087-87-0</td>
<td>&lt;5</td>
</tr>
</tbody>
</table>

- Note: The exact concentrations of the chemical(s) above are being withheld as a trade secret.

Section 4 – First-Aid Measures

Description of first aid measures:

*Inhalation*: If inhaled remove victim to fresh air and keep at rest. Call a poison center or physician if you feel unwell.

*Skin contact*: Wash with soap and water.

*Eye contact*: If in eyes rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and continue rinsing. If eye irritation persists seek medical advice/attention.

*Ingestion*: Do NOT induce vomiting unless instructed by medical personal. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed:
Can cause skin irritation.
Can cause eye irritation.
Ingestion may cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Indication of any immediate medical attention and special treatment needed:
Treat symptomatically
Section 5 – Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing media: Water fog, Carbon dioxide, Dry chemical, Foam

Unsuitable extinguishing media: Not available

Special hazards arising from the substance or mixture: None Known


Hazardous combustion products: Carbon oxides.

Special protective equipment and precautions for firefighters:

Protective equipment for fire-fighters: Firefighters should wear proper protective equipment (Bunker gear) and self-contained breathing apparatus with full face operated in positive pressure mode.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Spill area will be slippery. Restrict access to area until completion done. Refer to protective measures listed in section 7 and 8.

Methods and materials for containment and clean up:

Can be wash into the sanitary sewer system with copious amounts of water. Dispose of according to local, state and federal regulations.

Section 7 – Handling and Storage

Precautions for safe handling:

Do not handle until all safety precautions have been read and understand. Wear protective gloves and eye/face protection. Adequate ventilation should be supplied. Avoid contact with skin and eyes. Keep containers tightly closed.

Conditions for safe storage:

Store in cool, dry and well ventilated place. Containers should be clearly identified, clear of obstructions and accessible only to authorized personnel. Protect from sunlight. Have appropriate fire extinguishers/sprinkler system in place. Spill clean-up equipment should be in or near storage area.

Incompatible materials:

Strong acids and oxidizing agents.
Section 8 – Exposure Controls/Personal Protection

Exposure limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH-TLV</th>
<th>OSHA-PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkylbenzenesulfonic acid (C10-C16)</td>
<td>Not Available</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>2mg/m3</td>
<td>2mg/m3</td>
</tr>
<tr>
<td>Nonylphenol Polyethoxylate</td>
<td>Not Available</td>
<td>&lt;5</td>
</tr>
</tbody>
</table>

Exposure controls:

Ventilation and engineering measures: Use in well ventilated area. Apply technical measures to comply with occupational exposure limits if needed.

Respiratory measures: If airborne concentrations are above the permissible exposure limit use NIOSH approved respirators.

Skin Protection: Wear protective gloves. Where extensive exposure to the product is possible, use resistant apron/suit and boots.

Eye/face Protection: Goggles or safety glasses with side shields.

Other Protective equipment: Ensure that eyewash stations and a safety shower are close to the workstation(s).

General hygiene considerations: Avoid contact with eyes and skin. Do not eat, drink or smoke when using this product. Wash hands after handling. Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical and Chemical Properties

Appearance: Slightly opaque blue liquid
Odor: Fresh and pleasant
Odor threshold: Not available
PH: 10.5
Melting/Freezing point: Not available
Boiling point and boiling range: >100C (212F)
Flash point: >93C (199.4)
Evaporation point (Butyl Acetate=1): Not available
Flammability (method determination): Not Available
Lower flammability limit (% by vol.): Not available
Upper flammability limit (% by vol.): Not available
Vapor pressure: Not available
Vapor density: Not available
Relative density: 1.02
Solubility in water: Complete
Section 9 – Physical and Chemical Properties (continued)

Partition Coefficient (n-octanol/water): Not available  
Auto ignition temperature: Not available  
Decomposition temperature: Not available  
Viscosity: Not available  
Volatile (% by wt) = 0%  
Volatile organic compounds: Not available  
Other physical/chemical comments: No addition information.

Section 10 – Stability and Reactivity

Reactivity: Not normally reactive.  
Chemical stability: Stable under normal conditions.  
Possibility of hazardous reactions: Hazardous polymerization does not occur.  
Conditions to avoid: Extreme temperatures  
Incompatible materials: Strong acids and oxidizing agents.  
Hazardous decomposition products: Carbon oxides.

Section 11 – Toxicological Information

Information on routes of exposure:  
Routes of entry-inhalation: YES  
Routes of entry-skin & eye: YES  
Routes of entry-ingestion: YES  
Routes of entry-skin absorption: YES  

Potential Health Effects:  

Signs and symptoms of short term exposure:  
Signs and symptoms: Inhalation – May cause respiratory irritation.  
Signs and symptoms: Ingestion – Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
Signs and symptoms: Skin – May cause slight irritation.  
Signs and symptoms: Eyes – May cause irritation.  

Potential Chronic Health Effects: None known  

Mutagenicity: Not hazardous by OSHA/WHMIS criteria.  

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
Section 11 – Toxicological Information (Continued)

Reproductive effects: Not hazardous by OSHA/WHMIS criteria.

Sensitization to material: No data available to indicate product may be a sensitizer.

Specific target organ effects: Not Available.

Medical conditions aggravated by overexposure: Pre-existing skin and eye conditions.

Toxicological data: The calculated ATE value for this mixture is above classification parameters.

ATE (oral) = >8,700mg/kg

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50-Oral</th>
<th>Dermal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkylbenzenesulfonic acid (C10-C16)</td>
<td>500mg/kg (rat)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>500mg/kg (rabbit)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Nonylphenol Polyethoxylate</td>
<td>1,200mg/kg (rat)</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Section 12 – Ecological Information

Ecotoxicity: No data is available on the product itself.

Mobility in Soil: This product itself has not been tested.

Persistence and degradability: This product itself has not been tested.

Bioaccumulation potential: This product itself has not been tested.

Other adverse Environmental effects: None Known.

Section 13 – Disposal Information

Handling for disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and local regulation. Contact your federal, state, provincial and local authorities for specific rules.

Section 14 – Transportation Information

US 49 CFR/DOT Hazard Classification:
UN No.: Not DOT Regulated
UN Proper shipping name: Not Applicable
Transport hazard class: Not Applicable
Packing group: Not Applicable
ERG: Not Applicable
**Section 14 – Transportation Information (Continued)**

*Special Transportation Notes:* None

DOT Marine Pollutants: This product does not contain Marine Pollutants as defined in CFR 49 171.8.

**IMDG/IMO Code Shipping Classification:**
- UN No.: Not IMDG Regulated
- UN Proper shipping name: Not Applicable
- Transport hazard class: Not Applicable
- Packing group: Not Applicable
- ERG: Not Applicable

Not classified as a marine pollutant.

**Section 15 – Regulatory Information**

**US Federal Information:**
- **TSCA:** All listed ingredients appear on the Toxic Substances Control Act.

**US CERCLA Reportable quantity (RQ):** Not Reportable

**SARA Title III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355:**
No extremely hazardous substances are present in this material.

**SARA Title III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes:**
Reactive Hazard, Acute Health Hazard, Chronic Health Hazard. Under SARA Section 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**SARA Title III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372:**
This product is not subject to SARA notification requirements.

**State Regulations:**
- **California Proposition 65:** This product does not contain a chemical known to the State of California to cause, birth defect, reproductive harm or cancer.

**International Information:**
- **Canadian Environmental Protection Act (CEPA) information:** All ingredients listed appear on the Domestic Substances List (DSL).
Section 16 – Other Information

HMIS – Hazardous Materials Identification System
Health -1 Flammability -0 Physical Hazard -0 PPE –B

NFPA – National Fire Protection Association
Health -1 Flammability -0 Reactivity -0

Abbreviations legend:
ACGIH: American Conference of Governmental Industrial Hygienist
CAS: Chemical abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1986
CFR: Code of Federal Regulations
CSA: Canadian Standards Association
DOT: Department of Transportation
ECOTOX: U.S. EPA Ecotoxicology Database
EINECS: European Inventory of Existing Commercial chemical Substances
EPA: Environmental Protection agency
HSDB: Hazardous Substances database
IARC: International Agency for Research on Cancer
IBC: Intermediate Bulk Container
IUCLID: International Uniform Chemical Information Database
LC: Lethal Concentration
LD: Lethal Dose
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OECD: Organization for Economic Cooperation and Development
PEL: Permissible exposure limit
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System
Section 16 – Other Information (Continued)

Disclaimer
The information continued herein is based on the manufactures’ own study and the work of others, implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this SDS, or in any other way related (directly or indirectly) to this SDS. The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any other process.

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