



## Safety Data Sheet

### 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**

| Chemical Name, Common Name          | CAS #       | Concentration wt/wt(*) |
|-------------------------------------|-------------|------------------------|
| Alkylbenzenesulfonic acid (C10-C16) | 68584-22-5  | <5                     |
| Sodium hydroxide                    | 1310-73-2   | <1.0                   |
| Nonylphenol Polyethoylate           | 127087-87-0 | <5                     |

- **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

**Flammability classification:** (OSHA 29 CFR 1910.106) (Hazcom 2012): Not flammable by OSHA/WHMIS criteria.

**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:

| Chemical Name                       | ACGIH-TLV          | OSHA-PEL           |
|-------------------------------------|--------------------|--------------------|
| Alkylbenzenesulfonic acid (C10-C16) | Not Available      | <5                 |
| Sodium hydroxide                    | 2mg/m <sup>3</sup> | 2mg/m <sup>3</sup> |
| Nonylphenol Polyethoylate           | Not Available      | <5                 |

### 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 pointing:** 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

**Volatiles (% 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

| Chemical Name                       | LD50-Oral         | Dermal         |
|-------------------------------------|-------------------|----------------|
| Alkylbenzenesulfonic acid (C10-C16) | 500mg/kg (rat)    | Not Applicable |
| Sodium hydroxide                    | 500mg/kg (rabbit) | Not Applicable |
| Nonylphenol Polyethoylete           | 1,200mg/kg (rat)  | Not Applicable |

### 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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