Section 1: Product Identification

Product Name: Esteem Heavy Duty Foaming Degreaser
Product No. 327
Recommended Use: Food plant cleaning
Manufacturer: Crown Chemical, Inc.
Address: 4701 W. 136th Street Crestwood, IL 60445
www.crown-chem.com

Daytime Telephone: (708) 371-6990
Emergency Telephone (24 hour): (800) 535-5053

Section 2: Hazard Identification

Eye protection: Wear chemical splash goggles or face shield when using this product.
Skin protection: Wear protective rubber gloves, a long sleeve shirt and, if necessary, a rubber apron to prevent contact.
Respiratory protection: Wear a NIOSH respirator approved for corrosive dusts or mists.

Precautionary Statements:
Prevention: Do not breathe dust or mists. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Wear protective rubber gloves and chemical splash goggles or face shield when using this product. If inhalable particles of dusts or mists may occur during use, wipe NIOSH approved respiratory protection. Mix ONLY with water.
Response: If swallowed: Rinse out mouth. Do NOT induce vomiting. Immediately call a Poison Control Center or doctor for treatment advice. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Control Center or doctor for treatment advice. If skin接触: Rinse contaminated clothing before reuse. Immediately call a Poison Control Center or doctor for treatment advice. If skin接触: Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Control Center or doctor for treatment advice.

Section 3: Composition/Information on Ingredients

Product Type: Mixture
Hazardous Ingredient Name (common name(s))  CAS Number  Concentration Range (%)
Sodium Hydroxide  1310-73-2  15-25
Potassium Hydroxide  1310-58-3  1-5
Disodium Trioxosilicate  6834-92-0  5-10

Section 4: First-Aid Measures

If swallowed: Rinse out mouth. Do NOT induce vomiting. Immediately call a Poison Control Center or doctor for treatment advice. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a Poison Control Center or doctor for treatment advice. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Control Center or doctor for treatment advice.

Section 5: Fire-Fighting Measures

Suitable Fire Extinguishing Media: Use water spray, fog or foam. Specific Hazards: None known
Decomposition Byproducts: Carbon dioxide, carbon monoxide and/or metal oxides
Special Protective Equipment: Self-contained breathing apparatus
Specific Precautions: Remove all persons from the vicinity. No responsive action should be taken without proper training.

Section 6: Accidental Release Measures

Personal Precautions: Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).
Spill Cleanup: Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Section 7: Handling and Storage

Handling Precautions: Avoid contact with eyes, skin or clothing. Avoid inhalation of dust or mists. Use in a well ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
Storage Precautions: Store in a locked location inaccessible to small children. Keep container closed when not in use. Store in a well ventilated area between 60-100°F (15-38°C).

Section 8: Exposure Controls/Personal Protection

Hazardous Ingredient Name (common name)  OSHA PEL  ACGIH TLV
Sodium Hydroxide (Caustic Soda, Lye)  2 mg/m³ (8 hour TWA)  2 mg/m³ (ceiling)
Potassium Hydroxide  2 mg/m³ (ceiling)
Disodium Trioxosilicate  No data available  No data available

Engineering Controls: Use with adequate ventilation to maintain exposure limits below listed thresholds.
Personal Protective Equipment: The following protective equipment is recommended during usage:

Eye protection: Wear chemical splash goggles or face shield when using this product.
Skin protection: Wear protective rubber gloves, a long sleeve shirt and, if necessary, a rubber apron to prevent contact.
Respiratory protection: Wear a NIOSH respirator approved for corrosive dusts or mists.

Hygienic Measures: Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid contact with clothing or shoes. Wash contaminated items before reuse. Avoid wearing contact lenses when using this product.

Section 9: Physical and Chemical Properties

Physical State: Liquid
Color: Characteristic
pH (1% solution): >11.5
Melt Point: NA
Freeze Point: >45°F
Evaporation Rate (H₂O = 1): <1.0
Flammability: NA
Evaporation Limits: NA
Vapor Pressure: NA
Vapor Density (Air = 1.0): >1.0
Relative Density: >1.0
Solvency (in 120°F Water): 100%
Viscosity (H₂O = 1.0): >1.0
Partition coefficient: n-octanol/water: No data available
Auto Ignition Temperature: No data available
Decomposition Temperature: No data available

Section 10: Stability and Reactivity

Stability: Product is stable under normal storage and usage conditions.
Reactivity: Product may react when diluted with water to produce heat up to boiling temperatures. Product is highly reactive with acids. Reactions may produce hazardous conditions, including violent splattering of corrosive materials. NEVER mix this product with other chemicals. Mix this product ONLY with water. Incompatibilities: Acids, metals.

Section 11: Ecological Information

Ecotoxicity: No specific data available for this mixture. Sodium Hydroxide is known to be toxic to aquatic life. Potassium Hydroxide and Disodium Trioxosilicate are known to be moderately toxic to aquatic life.
Persistence and Degradability: No data
Bioaccumulative Potential: No data
Mobility in Soil: No data
Other Adverse Effects: No known significant effects or critical hazards.

Section 12: Transport Information

DOT Proper Shipping Name: NA 1760, Compounds, Cleaning Liquid, 8, PG II (Contains Sodium Hydroxide)
Note: Certain package sizes of this product may qualify for exceptions to DOT’s packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

Section 13: Disposal Considerations

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Do not release contents into sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Section 14: Regulatory Information

Regulation  Inventory
TSCA §8(b) Inventory  All Ingredients Listed
SARA Title III §301-303 Extremely Hazardous Substances  None
SARA Title III §304 Reportable Quantity (RQ) Release Notification Chemicals  Sodium Hydroxide, Potassium Hydroxide
SARA Title III §311-132 Right-To-Know Hazardous Chemicals  Sodium Hydroxide, Potassium Hydroxide
SARA Title III §311-312 Right-To-Know Extremely Hazardous Substances  None
SARA Title III §313 Form R Reportable Chemicals  None

Section 15: Other Information

Date of Last Revision: May 1, 2015
The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.