Potassium Hydroxide

2 mg/m³ (ceiling)

Safety Data Sheet

(pursuant to 29 CFR §1910.1200(g) and Appendix D)

Section 1: Product Identification

Product Name: PowerTemp CIP Food Plant Detergent
Product No. 939
Recommended Use: Cleaning food plants

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

Hazard Class: Corrosive Mixture
Signal Word: Danger

Section 3: Composition/Information on Ingredients

Sodium Hydroxide (Caustic Soda, Lye) 1310-73-2 10-30
Potassium Hydroxide 1310-58-3 10-30

Section 4: First-Aid Measures

If swallowed: 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.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

Indication of Immediate Medical Attention and Special Treatment Needed: Treat exposure symptomatically. In all cases of eye contact, ingestion, or inhalation, contact a doctor or Poison Control Center immediately.

Section 5: Fire-Fighting Measures

Special Protective Equipment: Self-contained breathing apparatus.

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)

Section 9: Physical and Chemical Properties

Physical State: Brown Liquid
Odor: Characteristic
pH (1% solution): >11.5
Melt Point: NA
Freeze Point: >45°F
Boiling Point: NA
Flash Point: Non-Combustible
Evaporation Rate (H₂O = 1.0): <1.0
Flammability: NA
Explosion Limits: NA
Vapor Pressure: NA
Vapor Density (Air = 1.0): >1.0
Relative Density: >1.0
Solubility (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 temperature. 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: Acid, metals.

Hazardous Decomposition Byproducts: None are expected under normal storage and usage conditions.

Section 11: Toxicological Information

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation

Symptoms: Eye contact: Irritation, pain, redness, watering. Skin contact: Irritation, pain, redness, blistering. Inhalation: Coughing, choking, respiratory tract irritation, breathing difficulty. Ingestion: Pain in mouth, throat, stomach.

Acute Effects of Exposure: Serious burns to eyes, skin, mouth, throat, stomach and respiratory tract.

Toxicity Data:
Sodium Hydroxide: Oral (LD₅₀) 0.24g/kg (rat)
Potassium Hydroxide: Oral (LD₅₀) 273 mg/kg (rat)

Chronic Effects of Exposure: No known significant effects or critical hazards.

Carcinogen Listing Source: NA

Section 12: Ecological Information

Ecotoxicity: No specific data available for this mixture. Sodium Hydroxide and Potassium Hydroxide are known to be 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 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. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

Section 14: 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 15: Regulatory Information

Regulation
Listing
TSCA §§(b) Inventory
All Ingredients Listed
SARA Title III §303 Extremely Hazardous Substances NA
SARA Title III §304 Reportable Quantity (QR) Release Notification Chemicals
Sodium Hydroxide, Potassium Hydroxide
SARA Title III §311-312 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

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.