

MSDS# SCM-703
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Power-Plus™

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Manufactured by: Specialty Chemical Manufacturing
A DiversiTech Company
1633-B High Bridge Road
Quincy, FL 32351

EMERGENCY Phone No.: 1+800.434.9300 Chem-Tel (Chemical Emergencies Only)
Phone Number for Information: 850-875-1716 Fax: 850-627-2699
Date Revised: April 2009
Prepared by: Anthony Jernigan

SECTION 2. HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS No.	OSHA PEL	ACIGH TLV	Hazard
Potassium hydroxide	1310-58-3	2 PPM	2 PPM	Corrosive
Sodium silicate	1344-09-8	Threshold limits not established		

SECTION 3. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >225°F	Specific gravity (H2O = 1): 1.12
Vapor pressure (mm Hg): Same as water	Melting Point (Pour Point): <32°F
Vapor Density (Air = 1): Same as water	Evaporation Rate (Water = 1): 1
Solubility in water: Water miscible	pH @ 15%: <13
Appearance and odor: Clear green liquid with a slight detergent odor.	

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None
Flammable Limits: None
Extinguishing media: Not applicable
Special Fire Fighting Procedures: Keep containers cooled with a water spray if involved in a fire. This material is alkaline. Use full protective equipment if this material is encountered during a fire.
Unusual Fire and Explosion Hazards: None suggested.

SECTION 5. REACTIVITY DATA

Stability - Stable
Conditions to avoid: None
Incompatibility (Materials to avoid): Strong oxidizers, strong acids, prolonged contact with nonferrous metals (particularly aluminum).
Hazardous Decomposition or Byproducts: May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire. Reaction with aluminum releases hydrogen gas.
Hazardous Polymerization: Will not occur.

SECTION 6. HEALTH HAZARD DATA

Routes of Entry: Inhalation: yes (mists) Skin: yes Ingestion: yes Eyes: yes
Health Hazards (acute and chronic): This product is corrosive to skin eye, respiratory and digestive tissues.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No
Signs and symptoms of exposure:
Inhalation: If sprayed or misted may cause chemical pneumonia. This product is corrosive to respiratory organs.
Skin: Irritating and corrosive on contact. Prolonged contact may cause dermatitis or drying of skin, burning and permanent skin damage.
Ingestion: Do not take internally. Corrosive if ingested. May cause burning, nausea or vomiting.
Eyes: May cause permanent eye damage or blindness on contact.
Medical Conditions Aggravated by Exposure: Contact with this product can exacerbate existing skin eye and breathing disorders.

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Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes while lifting the eyelids to irrigate the area behind the lid. Consult a physician if immediately after administering first aid!

Skin: Remove contaminated clothing. Wash the affected area with soap and water. Launder or dry clean clothes before reuse. Discard contaminated leather articles. If burning or irritation develops or persists, get medical attention.

Inhalation: Evacuate to a safe area with plenty of fresh air. Allow the affected individual to rest in a well ventilated area. If irritation persists, seek medical aid immediately.

Ingestion: DO NOT induce vomiting. Drink 3-4 glasses of water and contact the nearest poison control center. If vomiting occurs, keep the head lower than the hips to prevent aspiration

SECTION 7. PRECAUTIONS FOR SAFE HANDLING AND STORAGE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Wear recommended protective clothing. Remove contaminated garments promptly. Remove unnecessary personnel from the area. Floors may be slippery; use care to avoid falling. Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations. DO NOT contaminate municipal sewers or other open bodies of water with runoff.

WASTE DISPOSAL METHODS: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations. If these disposal options are not available, consult a hazardous waste contractor for proper disposal.

HANDLING AND STORAGE: Avoid contact with skin and eyes. Keep containers closed when not in use. Store in a dry, cool, well ventilated area. Avoid freezing temperatures during storage or use. Empty containers may retain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations. Keep this and all chemicals out of the reach of children. Wear the recommended safety equipment when handling or using this product.

SECTION 8. CONTROL MEASURES

Respiratory Protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, use an air purifying respirator with a dust/mist filter, and follow a respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements.

Ventilation: Local exhaust is recommended when used in enclosed areas.

Protective Gloves: Neoprene or other materials may be used if there is documented evidence of compatibility. Use as necessary to prevent skin contact.

Eye protection: Wear safety glasses (ANSI Z87.1) or approved equivalent, or chemical splash goggles as necessary to minimize eye contact hazards.

Other Protective Clothing: Neoprene aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking.

SECTION 9. ADDITIONAL INFORMATION

Transportation Information:

DOT HAZARD LABEL: Corrosive

DOT DESCRIPTION: Corrosive liquid, Basic, Inorganic, NOS (Contains potassium hydroxide), Class 8, UN3266, PGII

TSCA: All ingredients are TSCA approved.

SARA TITLE III Reporting Requirements:

Section 302: EHS reporting not required

Section 304: Hazardous releases reporting not required

Section 311: Community Right To Know reporting is required if the inventory is above the Threshold Planning Quantity.

Section 312: R-T-K Inventory data reporting is not required.

Section 313: Emissions and release reporting may be required for users of this product within the manufacturing sector. This does not apply to service companies.

SECTION 10. MANUFACTURER

Specialty Chemical Manufacturing

1633-B High Bridge Road

Quincy, FL 32351, USA

Phone 1+850.875.1716

EMERGENCY Phone No. 1 800-255-3924 Chem-Tel (Chemical Emergencies Only)

SECTION 11. REFERENCE NUMBER

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