

# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | POWER PLUS

PRODUCT CODE | 1645

ISSUE DATE | 12-01-2011

### EMERGENCY TELEPHONE NUMBERS

**DISTRIBUTOR**                      **Quality Chemicals**  
**STREET ADDRESS**                **110 Hamilton Ave.**  
**CITY, STATE, ZIP**                **Merchantville, NJ 08109**

**Transportation: (800) 424-9300 \***  
\* For spill, leak, fire or transport accident emergencies.  
**Product Information: (856) 662-1895**

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Sodium hydroxide	1310-73-2	<40	2 mg/m3 ceiling	2 mg/m3 ceiling	2 mg/m3; 15 min TWA ceiling

## SECTION 3 -- HAZARDS IDENTIFICATION

<b>EMERGENCY OVERVIEW</b>	<p><b>Causes severe chemical burns.</b>  <b>Harmful or fatal if swallowed.</b>  <b>Eye contact may cause blindness.</b></p>
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<b>POTENTIAL HEALTH EFFECTS</b>	
<b>INGESTION</b> .....	Corrosive and causes severe and permanent damage to mouth, throat and stomach. May be fatal if swallowed.
<b>INHALATION</b> .....	Inhalation of dust highly irritating or corrosive to mucous membranes and respiratory tract.
<b>EYE CONTACT</b> .....	Severely corrosive to the eyes, and may cause permanent damage, including blindness.
<b>SKIN CONTACT</b> .....	Corrosive; causes severe skin burns. Harmful contact may not cause immediate pain.

**SECTION 4 -- FIRST AID MEASURES**

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. <b>Get medical attention immediately.</b>
INHALATION	If exposed to excessive levels of vapors, remove to fresh air and get medical attention if cough or other symptoms develop. People with asthma or other lung problems may be more susceptible to injury.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. GET IMMEDIATE MEDICAL ATTENTION.
SKIN CONTACT	Immediately flush skin with plenty of cool running water for at least 15 minutes. Remove contaminated clothing and shoes, continue flushing skin with water for at least 15 minutes. Wash contaminated clothing before reuse. Discard shoes. GET IMMEDIATE MEDICAL ATTENTION.
NOTE TO PHYSICIAN	Information pertaining to ingestion toxicology, therapy, symptomatology and treatment can be found in <u>Clinical Toxicology of Commercial Products</u> , authored by Gosselin, Smith and Hodge and published by Williams & Wilkins, Baltimore, Maryland. <b>See listing for Lye in Therapeutics Index, Section III.</b>

**SECTION 5 -- FIRE FIGHTING MEASURES**

FLASH POINT / METHOD	None / N.A.	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, alcohol foam, carbon dioxide, dry chemical or water fog.		
SPECIAL FIRE FIGHTING PROCEDURES	Pressure demand self-contained respiratory protection and protective clothing should be worn by fire fighters.		
FIRE AND EXPLOSION HAZARDS	Not a fire or explosion hazard. Do not mix with acidic chemicals. Solutions are very alkaline.		

**SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

RESPONSE TO SPILLS	Small spills: Flush to sanitary sewer. Use personal protective equipment. Mop up residue and rinse Area thoroughly with water. Large spills: Dike or dam spill. Use personal protective equipment. Pump to containers or soak up On inert absorbent. Unused product as a waste is corrosive (D002) by RCRA criteria.
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**SECTION 7 -- HANDLING AND STORAGE**

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in a cool dry place. Keep from freezing.

**SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION**

HYGIENIC PRACTICES	Observe label precautions; use personal protective equipment. Avoid breathing dusts of this product.
ENGINEERING CONTROLS	Good general ventilation. <b>Facilities using this product must be equipped with an eyewash station.</b>

**PERSONAL PROTECTIVE EQUIPMENT**

X	<b>RESPIRATOR</b>	Use for cleaning spills. NIOSH/MSHA approved.
X	<b>GOGGLES / FACE SHIELD</b>	Chemical splash goggles required
X	<b>APRON</b>	Use for cleaning spills.
X	<b>GLOVES</b>	Required; use PVC, Neoprene or Nitrile with long gauntlet or protective cuff
X	<b>BOOTS</b>	Required; use Neoprene boots or overshoes with non-skid alkali-resistant soles

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Off-white powder	BOILING POINT	Not applicable
ODOR	Bland	FREEZING POINT	Not applicable
pH	13.0 (1% solution)	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	N/A	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Approx. 25% by weight	EVAPORATION RATE	Not applicable

**SECTION 10 -- STABILITY AND REACTIVITY**

CHEMICAL STABILITY		<b>STABLE</b>	X		<b>UNSTABLE</b>	
<b>CONDITIONS TO AVOID</b>	Do not leave container open. Keep poly bag tied shut. Do not put spilled material back into drum or container holding IPC 400.					
<b>INCOMPATIBILITY</b>	Contact with strong acids produces exothermic, possibly violent reaction.					
POLYMERIZATION		<b>WILL NOT OCCUR</b>	X		<b>MAY OCCUR</b>	
<b>CONDITIONS TO AVOID</b>	Not applicable					

**SECTION 11 -- TOXICOLOGICAL INFORMATION****CARCINOGENICITY**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	<b>THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z</b>

**OTHER EFFECTS**

<b>ACUTE</b>	Strongly corrosive to all tissues on exposure.
<b>CHRONIC</b>	Not determined

### SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		NOT BIODEGRADABLE	
BOD / COD VALUE	Not established					
ECOTOXICITY	No data available					

### SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Product that cannot be used according to label must be disposed of at a hazardous waste management facility. Empty containers may be triple rinsed, then offered for recycling or reconditioning; or puncture and dispose of in a sanitary landfill.								
RCRA CLASSIFICATION	Hazardous, Corrosive D002								
RECYCLE CONTAINER		YES	X		CODE	2 - HDPE		NO	

### SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS	X		NOT HAZARDOUS	
DESCRIPTION						

### SECTION 15 -- REGULATORY INFORMATION

#### REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
X	KOSHER	
	SARA TITLE III MATERIAL	
	USDA AUTHORIZED	

### SECTION 16 -- OTHER INFORMATION

#### NFPA CLASSIFICATION

3	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
1	YELLOW	REACTIVITY
--	WHITE	SPECIAL HAZARD

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