



CHLORINATED DISH MACHINE DETERGENT

FOOD SERVICE PRODUCTS

DESCRIPTION: Brilliant's Chlorinated Dish Machine Detergent is a concentrated, high alkaline, low suds liquid warewash detergent containing chlorine for fast removal of stubborn stains. Its unique blend of water conditioners allows **Chlorinated Dish Machine Detergent** to produce sparkling results, even in the hardest water conditions. The shipping container provides a convenient reservoir for any automatic dispensing equipment. Care should be exercised when using this product in the presence of silver, pewter and aluminum. **Chlorinated Dish Machine Detergent** contains strong alkali materials that could damage soft metals; DO NOT mix with ammonia solutions.

DIRECTIONS:

- Store pail in a safe place, preferably under the dish machine.
- Clear dispensing tube of obstructions.
- Machine water should be changed when noticeably dirty.
- Set detergent feeder for correct solution concentration. For medium hard water (4.5 – 8 grains/liter) use 2 – 5 ounces per 10 gallons of water. For hard (8+ grains/liter) use 3 – 6 ounces per 10 gallons or water. Use a warewash alkali titration test on the wash water. Titration should be between 6 to 10; 6 for soft water and 10 for hard.
- Wash temperature should be maintained between 120° - 150° F for optimum results.
- For proper sanitizing. Rinse water temperature should be 150° F.

PACKAGING:

SIZE

5 gallon pail
15 gallon drum
55 gallon barrel

CATALOG

64100205
64100215
64100255

PRODUCT SPECIFICATIONS

Appearance:	Clear Liquid
Color:	Light Yellow
Odor:	Mild Soap, Chlorine
pH:	>12.5 @ 10% solution
Specific Gravity:	1.260 - 1.290
Viscosity:	<10
Bleach%:	1.5 - 2.5

ISO 9001:2000 Certified
Certificate No. 2049



EAGLE Registrations Inc.
SERVICE • INTEGRITY • VALUE

BRILLIANT PRODUCTS
P. O. Box 1425 Avon Park, FL 33826
Phone: 813-890-6594 Fax: 813-890-2101



CONTROLLED

Issue Date: 05/15/08
Form PB641002B, Rev (D)

MATERIAL SAFETY DATA SHEET
(Prepared According to 29 CFR 1910.1200)

Prepared By: D. Wilson

Effective Date: 08/10/05

SECTION 1- PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: CHLORINATED DISH MACHINE DETERGENT
Generic Name: Low Suds/High Alkali Detergent
Product Group: Food Service Product

Manufacturer's Name: BRILLIANT PRODUCTS
P.O. BOX 1425
AVON PARK, FL 33826
Phone #: (813)-890-6594

SECTION 2- INGREDIENT INFORMATION

CHEMICAL NAME	CAS #	WT %	PEL	TWA-TLV	STEL-TLV
Potassium Hydroxide	1310-58-3	N.A.	N.A.	N.A.	2C
Sodium Hypochlorite	7581-52-9	N.A.	N.A.	N.A.	N.A.

No Components, in excess of 0.1% by weight are listed as carcinogens by IARC, NTP or OSHA

SECTION 3- PHYSICAL DATA

Boiling Point: 212° F
Vapor Pressure: 17 mm @ 20°C
% Volatile: 69%
Solubility in Water: complete
Physical Description: Light yellow liquid, mild soap/chlorine

Specific Gravity: 1.260 – 1.290
Vapor Density (Air=1): >1.1
pH: >12.5, 10% solution
Evaporation Rate (Water=1): >1

SECTION 4- FIRE AND EXPLOSION HAZARD DATA

Flash Point: non-flammable
Extinguishing Media: product will not burn
Special Firefighting Procedures: Keep drums cool; product is corrosive
Unusual Fire and Explosion Hazards: n/a
Upper Explosion Limits: N.A.
Lower Explosion Limits: N.A.

SECTION 5- REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur
Hazard Decomposition Products: heat may yield CO, CO₂, phosphorous fumes
Incompatibility (Materials to Avoid): Ammonia solutions, strong acids, soft metal

SECTION 6- STORAGE AND HANDLING INFORMATION

Keep container closed when not in use. Protect container from abuse. Protect from extreme temperatures. **CAUTION:** material is corrosive.

SECTION 7- HEALTH HAZARDS AND FIRST AID

Effects of Overexposure
Skin: Corrosive; chemical burns will result from contact; severe irritant.
Eyes: Corrosive; contact is painful and irritating; causes chemical burns.
Inhalation: Corrosive and irritating to upper respiratory tract and mucous membranes.
Ingestion: Corrosive and irritating to digestive tract; may cause gastric distress, stomach pains and vomiting.
First Aid Procedures
Skin: Wash contaminated area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.
Eyes: Immediately flush for 15 minutes with water; get medical attention immediately.
Inhalation: Remove to fresh air; wash mouth and nasal passages with water; if breathing difficulties persists, seek medical attention.
Ingestion: DO NOT induce vomiting; drink 3-4 glasses of water, citrus juice or diluted vinegar and get medical attention..

SECTION 8- SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required.
Ventilation Requirements: Required.
Protective Gloves: Neoprene or rubber.
Eye Protection: Goggles with side shields.
Other Protective Equipment: Safety eye bath nearby.

SECTION 9-SPILL OR LEAK PROCEDURES

Cleanup Procedure for Spills: Small spills – wash to sanitary sewer with plenty of water. Large spills – confine spill with approved absorbent; shovel product into approved container. For spills in excess of allowable limits, notify the National Response Center (800) 424-8802, refer to CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements.
Waste Disposal: Refer to RCRA regulations 40 CFR 260-281 part 260.20.

SECTION 10-REGULATORY INFORMATION

<p>SARA Title III – Section 311/312 – Hazard: (Y/N): N Fire: N Sudden Release of Pressure: N Reactivity: Strong acids, soft metals, ammonia solutions Acute (IMMEDIATE) Health Hazard: Corrosive to skin and eyes; prolonged inhalation may cause ulcers in upper respiratory tract. Chronic (DELAYED) Health Hazard: None known. Other: May aggravate pre-existing skin, eye or respiratory conditions with long term exposure.</p>	<p>Shipping Information: NAME: Corrosive Liquids, Basic, Inorganic, nos. HAZARD CLASS: 8 REFERENCE: 49 CFR 172.101 ID#: UN 3266 LABEL: Corrosive</p>	HMIS Hazardous Material Identification System	
		Health	3
		Flammability	0
		Reactivity	1
		Personal Protection	C
<p>For emergency and medical help line, call INFOTRAC at 1-800-535-5053, 24 hours a day, 7 days a week for information on all our products and/or MSDS. Obtain an MSDS at www.pride-enterprises.org/MSDS/menu.htm or call customer service at (813)-890-6594.</p>			

SECTION 11- OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts No responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept NO liability for damages or loss incurred from the improper handling and use of this product.