

# CHOICE

## Premium All Temperature Machine Warewashing Detergent *Detergente De Alta Calidad Para Maquinas De Lavar Trastes a Cualquier Temperatura*

**CHOICE** is our finest liquid all temperature, non-chlorinated machine warewashing detergent. No other liquid available features such *dish cleaning power* and *water hardness control*.

**CHOICE** is a unique combination of high alkalis, polymeric water softeners including a "threshold agent" and corrosion inhibitors that makes machine dishwashing even heavily soiled items easy and efficient. Never before has such a product been developed for the commercial dishwashing industry.

Although **CHOICE** is non-chlorinated, it cleans so well that corrosive chlorine is unnecessary saving your machine! Due to its alkaline strength **CHOICE** is not safe for aluminum or real silver and these items should be avoided.

**CHOICE** is *extremely concentrated* and may be used at *very economical* use levels. Even at high dilution, the "threshold agent" contained controls hard water build-up on the dishwasher.

### **RECOMMENDED USES:**

Use in high or low temp (dump and fill) dishwashers to wash:

- Dishes
- Stainless Flatware
- Glasses
- Plasticware
- Non-Aluminum Pots and Pans

### **BENEFITS:**

- Incredible cleaning strength
- Keeps machine and racks scale-free
- Non-Chlorinated to protect machine
- Very economical use levels

### **SPECIAL INSTRUCTIONS:**

See your Sales or Service Representative for best use levels to achieve clean dishes at economical use costs.

### **DIRECTIONS FOR USE:**

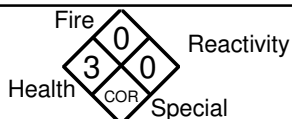
Hot Dishwashers — Adjust dispenser to maintain 150 to 300 ppm available alkalinity depending upon water hardness and soil conditions.

Low Temp Dishwasher — Adjust detergent pump to deliver 2 to 7 cc per wash cycle.

**FOR INSTITUTIONAL  
AND INDUSTRIAL  
USE ONLY**

**HAZARD RATING**

4-EXTREME  
3-HIGH  
2-MODERATE  
1-SLIGHT

**MATERIAL SAFETY DATA SHEET**

(Prepared according to 29 CFR 1910. 1200)

Date Prepared: 6-15-07

**SECTION 1 - PRODUCT IDENTIFICATION**

Company Name	Daley International	Emergency Telephone No.	800-535-5053
Address	4100 W. 76th Street, Chicago, IL 60652	Information Telephone No.	773-284-6565
Product Name / ID#	Choice (166)	Product Type	All Temp Mach. Deterg. <input checked="" type="checkbox"/> Proprietary Product

**SECTION 2 - HAZARDOUS INGREDIENTS**

Chemical Name/Common Name	Cas No.	Percent (optional)	TLV (Source)
Sodium Hydroxide	1310-73-2	< 20%	C2mg/m3 (ACGIH)

☐ \* Substances ☒ Contains no substances - subject to the reporting requirements of SARA 313 and 40 CFR Part 372.

**SECTION 3 - PHYSICAL DATA**

Boiling Point (°F)	> 212°F	Specific Gravity (H <sub>2</sub> O=1.0)	1.170 ± 0.005	pH	14.0 ± 0.5	% VOC (ww)	0%
Solubility In Water	<input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable or (Dispersible) <input type="checkbox"/> Slight (or Partial)						
Evaporation Rate (vs H <sub>2</sub> O)	<input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the Same	Vapor Pressure	NE	Vapor Density	NE		
Appearance and Odor	Clear, colorless, liquid. Nil odor.						

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

Flash Point (T.C.C.)	<input checked="" type="checkbox"/> None to boiling	Flammable Limits	Upper	NA	Lower	NA
Extinguishing Media	NA					
Special Fire Fighting Procedures	NA					
Unusual Fire Explosion Hazards	NA					

**SECTION 5 - REACTIVE DATA**

Stability	Stable	Incompatibility	Acids; Aluminum, Tin, Zinc; Nitro Carbons, Halo Carbons.
Hazardous Decomposition Products	Hydrogen gas by reaction with Aluminum, Tin or Zinc metals.		

**SECTION 6 - HEALTH HAZARDS**

Threshold Limit Value Product See Section 2 for Ingredients TLV	<input checked="" type="checkbox"/> None Established <input type="checkbox"/> Not Applicable	Primary routes of Exposure	<input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation
Signs Symptoms of Over-exposure (Acute)	Corrosive to all human tissue. Can cause burns. Ingestion may cause violent pain in throat and damage gastro respiratory tract. Inhalation of mist may cause damage to upper respiratory tract with possible chemical pneumonia from severe exposure.		
Signs Symptoms of Over-exposure (Chronic)	Unknown		
Medical Conditions Aggravated by Over-exposure	Unknown		
Carcinogen/Suspected Carcinogen Ingredients:	<input type="checkbox"/> NTP <input type="checkbox"/> IARC <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> None		

**SECTION 7 - FIRST AID PROCEDURES - (If any Condition persists - Consult a physician.)**

Eyes	Immediately flush with plenty of water for 15 minutes while holding the eyelids open. Call a physician.
Skin	Wash with large quantity of water. Remove contaminated clothing. Wash before reuse.
Ingestion	Drink plenty of water. Do NOT induce vomiting. Consult a physician immediately
Inhalation	Remove to fresh air. If qualified, give oxygen or artificial respiration as necessary and/or seek medical help.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

Respiratory Protection	None usually required for normal usage. If mist, NIOSH approved respirator.		
Ventilation requirements	<input checked="" type="checkbox"/> Local Exhaust	<input checked="" type="checkbox"/> Mechanical	To keep below any listed TLV's and/or for general good ventilation.
Protective Gloves	Rubber gloves	Eye Protection	Safety goggles
Other Protective Clothing	Chemical apron, rubber boots as appropriate to usage to prevent skin contact.		

**SECTION 9 - SPILL OR LEAK PROCEDURES**

Steps to be Taken if Released or Spilled	Contain spill. Neutralize with weak acid solution. If necessary, vacuum up or soak up with inert absorbant and place in suitable container(s) for disposal. Flush residue with large quantity of water.
Waste Disposal Methods	Check all government regulations. Probable that neutralized material may flush to sanitary sewer system with plenty of

**SECTION 10 - STORAGE AND HANDLING INFORMATION**

Precautions to be Taken in handling and Storage	Store away from acids, reactive metals and organics. Keep out of reach of children. Wash thoroughly after handling.
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