

**LOW TEMP
MACHINE DETERGENT**

425 Whitehead Avenue
South River, NJ 08882
Phone—732-238-6700
Fax— 732-238-5590

GENERAL DESCRIPTION: LOW TEMP DETERGENT is specially formulated to produce clean and sparkling tableware in Low Temperature dishmachines. LOW TEMP DETERGENT attains excellent results in light to medium soil conditions where soft to medium water hardness conditions are available. Optimum results can be obtained in temperatures ranging from 120° to 160°F.

LOW TEMP DETERGENT is dispensed directly from the shipping container, thus eliminating messy spills and unsightly dish areas. This unique product is formulated to be dispensed through an automated injector system, assuring the lowest possible use cost.

LOW TEMP DETERGENT can be used to wash soft metals such as aluminum or pewter.



RECOMMENDED RANGE OF USE CONCENTRATIONS:

Titrate with Institutional Alkalinity Test Kit. Use range is 0.1% to 0.3%, or 2 to 6 drops (each drop = .05%) using a 10 ml sample and 3 drops of Phenolphthalein Indicator. Select actual use concentration to handle water hardness and soil load.

NOTE: To properly titrate, adjust for raw water alkalinity by titrating H₂O just as you would a detergent solution. Subtract that number from total drop titration to derive intended detergent concentration.

Example: Raw water titrates 2 drops, total drop titration equals 6 drops. (6 - 2 = 4 x .05% = 0.2%)

PHYSICAL PROPERTIES:

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|------------------------------------|--|
| Chemical Composition . . . | Alkaline base; soil and mineral sequestering agents for water conditioning; metal and glaze protectants. |
| Appearance | Clear red liquid |
| pH | 13.2 |
| pH of 1% solution | 11.9 |
| Specific gravity | 1.24 (10.3 lbs/gal) |
| Solubility | Complete and Fast |
| Stability | 1 Year @ Ambient Temperature |
| Caustic | Present |
| Foaming | Low |
| Biodegradable | .Yes, all surfactants |
| Metal Safety | .Safe with soft metals |
| Water Hardness Tolerance | 9 Grains Per Gallon at 0.3% |
| | 6 Grains Per Gallon at 0.2% |
| | 3 Grains Per Gallon at 0.1% |

HANDLING PRECAUTIONS:

**CAUTION: WARNING
KEEP OUT OF REACH OF CHILDREN.**

Highly alkaline liquid. Contact with skin and eyes may cause severe irritation. Harmful if swallowed. Flood with water if splashed in eyes. Flush with water for 15 minutes and consult physician immediately. If ingested, drink large amounts of milk, milk of magnesia or gelatin, or if these are not available, drink large amounts of water. DO NOT induce vomiting. Obtain prompt medical attention.

PACKAGING:

5 gal plastic pail - 52 lbs net / 55 lbs gross
4x1 gal case- 36 lbs net/ 38 lbs gross

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.