

METAL SAFE

ENVIROCHEM

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

METAL SAFE is a heavy duty built detergent designed specifically for the removal of encrusted soils common to the bakery industry. METAL SAFE is strong yet safe for use on aluminum. METAL SAFE is dispensed directly from the shipping container, thus eliminating messy spills and unsightly washing areas. This unique product is formulated to be dispensed through an automated injector system, assuring the lowest possible use cost.

PHYSICAL PROPERTIES:

Chemical CompositionAlkaline base; soil and mineral sequestering agents for water conditioning; metal and glaze protectants.

Appearance Colorless clear liquid

pH 13.6

pH of 1% solution 12.1

Specific gravity 1.265

Solubility Complete and Fast

Stability 1 Year @ Ambient Temperature

Caustic Present

Biodegradable Yes, all surfactants

Foaming Low

Metal Safety Safe with soft metals

Water Hardness Tolerance . .15 Grains Per Gallon at 0.3%

10 Grains Per Gallon at 0.2%

5 Grains Per Gallon at 0.1%

RECOMMENDED RANGE OF USE CONCENTRATIONS:

Titrate with Institutional Alkalinity Test Kit. Use range is 0.1% to 0.3%, or 3 to 9 drops (each drop = .033%) 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 8 drops. (8 - 2 = 6 x .033% = 0.2%)

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 net weight 48lbs.

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.