

Aluminum Safe

Metal-safe formula for cleaning
aluminum and other soft metals

NOBLE

CONCENTRATED Commercial Metal Safe Machine Warewashing Detergent

Detergente para lavavajillas industrial para máquinas de lavado de vajilla de metal

Manufactured for:
Clark Core Services, LLC
2205 Old Philadelphia Pike
Lancaster, PA 17602
1-888-256-6400



GENERAL DESCRIPTION

ALUMINUM SAFE is a heavy-duty built detergent designed specifically for the removal of encrusted soils common to the bakery industry. **ALUMINUM SAFE** is strong yet safe for use on aluminum. **ALUMINUM 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 Composition: Alkaline base; soil and mineral sequestering agents for water conditioning; metal and glaze protectants

Appearance	Clear Red/Brown Liquid
pH	12.5
pH of 1% Solution	12.1
Specific Gravity	1.17 (9.76 lb. / gal)
Caustic	Present
Solubility	Complete and Fast
Stability	1 Year @ Ambient Temperature
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%

PACKAGING

147METSFLIQ1G: (4) 1 gal. (512 oz.) Plastic Bottles – 38 lb. net / 40 lb. gross
999METSFLIQ1G: 1 gal. (128 oz.) Plastic Bottle – 9 lb. net / 9.5 lb. gross
147MTSFLQ2HG: (2) 2.5 gal. (640 oz.) Plastic Bottles – 50 lb. net / 54 lb. gross
147METSFLIQ5G: 5 gal. (640 oz.) Plastic Pail - 48 lb. net / 50 lb. gross

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 = 0.033%) 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 0.033% = 0.2%).

APPROXIMATE USE DILUTION: 0.012-0.036 ounces per gallon of water.

HANDLING PRECAUTIONS

CAUTION

KEEP OUT OF REACH OF CHILDREN.

DANGER

HAZARD STATEMENTS

- Causes severe skin burns and eye damage

PRECAUTIONARY STATEMENTS

PREVENTION Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. **GENERAL ADVICE:** Immediately call a POISON CENTER or doctor/physician. **EYES:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. **SKIN:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. **INHALATION:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. **INGESTION:** IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. **STORAGE:** Store locked up. **DISPOSAL:** Dispose of contents/container to an approved waste disposal plant.

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.

See the product label and SDS for a complete list of precautionary statements.