



August 06, 2019

Atlantic Care Chemicals
Plot No.VI/666 B&C, Bldg. No. XV/455 A
Industrial Dev. Plot, Vadackal P.O.
Alappuzha, Kerala 688003
India

RE: M-Blaze
Category Code:A7
NSF Registration No.159284

NSF has processed the application for Registration of **M-Blaze** to the *NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds* (2017), which are available upon request by contacting NonFood@nsf.org. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements including FDA 21 CFR for appropriate use, ingredient and labeling review.

This product is acceptable as a metal cleaner and polisher for nonfood contact surfaces (A7) in and around food processing areas. All food products and packaging materials shall be removed or carefully protected prior to usage. This compound must be used in a manner so that all odors associated with the compound are dissipated before food products or packaging materials are re-exposed in the area.

NSF Registration of this product is current when the NSF Registration Mark and Category Code appear on the NSF-approved product label, and the Registered product name is included in the current NSF White Book Listing of Nonfood Compounds at the NSF website (www.nsfwhitebook.org).

NSF Listing of all Registered Nonfood compounds by NSF International is not an endorsement of those compounds, or of any performance or efficacy claims made by the manufacturer.

Registration status may be verified at any time via the NSF website, at www.nsfwhitebook.org. Please note the letter date reflects most recent product review. NSF utilizes annual verification to ensure no changes have been made to a registered product. Changes in formulation or label, without the prior written consent of NSF, will void Registration, and will supersede the on-line listing. Please contact your NSF Account Manager or nonfood@nsf.org if you have any questions or concerns pertaining to this letter.

Sincerely,

Sarah Krol
NSF NonFood Compound Registration Program
Company No: C0494213

M-BLAZE

SURGICAL INSTRUMENT AND METAL CLEANER - ALUMINIUM SAFE

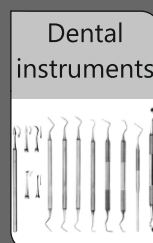
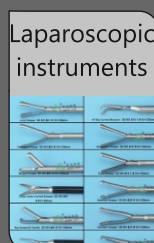
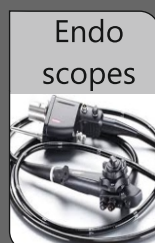
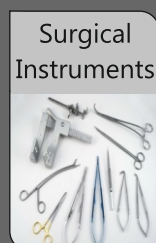
M-BLAZE is an organic based safe and sustainable detergent with enzymes developed from native species (non GMO) liquid detergent with high wettability which can penetrate, clean and decontaminate complex instruments to remove organic matter like blood, mucous and tissue. It can be used on endoscopes, fine lumen, robotic, cannulated, orthopedic and laparoscopic instruments. **M- BLAZE** detergent loosens the harmful deposits from surgical instruments in only one minute, virtually eliminating the need for cleaning the instruments by hand.

It's a complex mixture of natural surfactants , vinegar and an amalgamation of enzymes protease, amylase and lipase which makes them effective for eliminating proteins, lipids, carbohydrates and mucopolysaccharides.

Enzyme protease breaks down and digests proteins and dissolves urine and blood, enzyme amylase breaks down starches and sugars and dissolves carbohydrates and starch proteins and enzyme lipase breaks down fats and oils and dissolve mucopolysaccharides and grease from surfaces. The mild acidic nature imparted by natural vinegar protect the instruments from becoming contaminated by minerals and lime scale from water.

M-BLAZE is a sustainable, natural base organic and phosphate free low foam formula for the cleaning of stainless steel surgical instruments and all metal equipment manually, ultrasonic and automated washers. This product is designed to clean stainless steel surgical instruments, including applicators, biopsy brushes, cannulas, chisels, clamps, cutters, dissectors, forceps, haemostats, knives, suturing needles, scalpels, surgical instrument motor accessories such as drill bits and saw blades and other instruments.

This product is POC, VOC, synthetic surfactant, inorganic alkalai, inorganic acid free nature, discharge and exposure friendly formula safe on all metals including aluminium. This product can be dispensed manually and automatically.



M-BLAZE

SURGICAL INSTRUMENT AND METAL CLEANER - ALUMINIUM SAFE

Features and benefits

- Suitable for manual, ultrasonic cleaning system, tunnel washers and disinfectors.
- Can be used to presoak surgical and dental instruments.
- Low foaming
- Non-corrosive to any metal and metal plated surface.
- Can be used on most metals including aluminium, plastics and rubber.
- Mild acidic pH.
- Can be dispensed manually and automatically.
- Can be used to pre-soak surgical and dental instruments.
- Very effective in removing hard water minerals.
- Remove blood, soil and common stain from instruments.
- Phosphate free formula.
- 100% Sustainable and non-toxic formula.
- Leaves no toxic residue.



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Product Details

Description	Specification
Appearance	Liquid
pH	5.0 - 5.5
Character	Anionic
Specific Gravity	1 – 1.1
Solubility	Completely soluble in water

Dosage & Instructions

Manual and Ultra sonic cleaning:

Dilute 10 ml per ltr of **M- BLAZE** in warm water. Soak instruments in a minimum of two to five minutes. Longer soak time has to be given for instruments with dried-on proteinaceous material. If room temperature is used longer soak time may be necessary.

After soaking rinse thoroughly and transfer to next operation such as manual cleaning, washer-sterilizer, ultrasonic cleaner etc. discard used solution when visibly soiled.

Automated equipment:

2 ml per ltr to 15 ml per ltr depending on typical soil levels, temperature and water hardness.

Do the sterilization after cleaning.

M-BLAZE

SURGICAL INSTRUMENT AND METAL CLEANER - ALUMINIUM SAFE

When sterilization is not available, HLD is the only acceptable alternative for instruments and other items (semi-critical items) that will come into contact with the bloodstream or tissues under the skin.

- Clean all items with M-BLAZE, to be high-level disinfected.
- Open all hinged instruments and disassemble those with sliding or multiple parts. Place bowls and containers upright so they fill with water. Make sure that all items are completely submerged because water must touch all surfaces for HLD to be achieved.
- Cover the pot or close the lid on the boiler and bring the water to a gentle, rolling boil.
- Once the water is in a rolling boil, start timing for at least 1 minute. Use a timer or make sure to record when the boiling begins. From this point on do not add or remove any water or items.
- Lower the heat to keep the water at a gentle, rolling boil. Too vigorous boiling may damage items and will speed the evaporation of the water.
- After 1 minute holding time, remove items using dry, high-level disinfected pickups. Place items to air-dry on a high-level disinfected tray or on a high-level disinfected container that is away from dust and insects and in a low-traffic area. Never leave boiled instruments and other items in water that has stopped boiling. They can become contaminated as the water cools.
- Store the dry items in a high-level disinfected and covered container and use items immediately or keep in a covered, dry, high level disinfected container and use within one week.
- The boiler should be emptied and dried daily.

M-BLAZE

SURGICAL INSTRUMENT AND METAL CLEANER - ALUMINIUM SAFE

HLD by mechanical “thermal disinfection”:

Disinfection by hot water can also be performed in specially constructed washing machines (e.g., for linen, dishes and cutlery). In these machines the processes of cleaning, of hot water disinfection, and of drying are combined in a very effective procedure. The thorough initial rinsing with **M- BLAZE** and further washing removes most of the microorganisms and shorter disinfection times. If machines are used they should be regularly maintained and checked for efficacy.

Precautions :

- Instruments and other items must be completely covered with water. Open all hinged instruments and other items and disassemble those with sliding or multiple parts.
- Always boil for 1 minute. Start counting the one minute when the water reaches a rolling boil. If you forget to start timing the HLD procedure, start timing at the point at which we realize that we did not begin timing.
- Do not add anything to or remove anything from the pot/boiler once boiling begins.
- A white, scaly deposit may be left on instruments and other items that have been boiled frequently and on the pot/boiler itself. These are lime deposits caused by lime salts in the water.

To minimize lime deposits:

- Add 1 gpl ECHO DELIME to the water to remove deposits from instruments, other items, and the inside of the pot/boiler.
- Boil the water for 10 minutes at the beginning of each day that the pot/boiler is used, this will precipitate the lime (make it come out of the water and settle on the bottom or sides of the pot/boiler instead of on the instruments or other items) before the instruments or other items are added.
- Use the same water throughout the day, adding only enough to keep the instruments and other items below the surface.
- Drain and clean out the pot/boiler at the end of each day that it is used.

SLCT190120/01
June 2019

Technical Support

Our technical service team has developed the following technical tools to assist our customers for optimum product performance.

- Product application training.
- Application training manual.
- Technical support.

Packaging

4 x 5 Carton.

Shelf Life

16 months from the date of manufacturing.

Health and safety



Xi (Irritant)

Cause mild Irritation and burns to eyes and skin. Harmful if swallowed. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Keep away from heat and live flames. Please see MSDS for complete health and safety information.

- Do not ingest
- Do not pre-mix with other chemicals
- Keep out of reach of children



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