



TM Smart Gel Components A and B (AFCO 5547)

GENERAL DESCRIPTION

TM Smart Gel Components A and B (AFCO 5547) are an intelligent color indicator system based on patented persulfate technologies. This notified technology dissolves organic deposits like proteins, fats, saccharides, aromas, phenol compounds, and oxalates by means of oxidation by hydroxyl radicals.

It can also be used to detect organic deposits in pipe systems, tanks, heat exchangers, or filling lines by means of a color indication system.

AREAS OF USE

- ✓ Filling lines in the fruit juice or canning industry, dairies, delicatessen production.
- ✓ Pasteurization equipment for juices, fruit concentrates, and functional drinks.
- ✓ Cooking vessels for soup or sauce production.
- ✓ Homogenizers and UHT equipment.
- ✓ Heat exchangers in breweries and wineries.
- ✓ Filling and production lines in the soft drink and mineral water industry.

BENEFITS

- ✓ Not hazardous. Easy to handle.
- ✓ Online quality control during the cleaning process.
- ✓ Easy rinsing. Does not contain any surfactants.
- ✓ Reliable technology. Facilitates HACCP verification.

TECHNICAL DATA SHEET

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PHYSICAL PROPERTIES

Component A:

Appearance	:	Milky-white viscous liquid
pH (as is)	:	12.8
Shelf Life	:	1 year from date of manufacture

Component B:

Appearance	:	Purple/magenta liquid
pH (1% solution)	:	7.6 to 8.4
Density	:	10.16 lbs./gallon
Shelf Life	:	6 months from date of manufacture

DIRECTIONS FOR USE

Application:

- (1) Clean the surfaces as usual, then rinse them thoroughly. Wear appropriate personal protective equipment.
- (2) Pour TM Smart Gel Component B completely into Component A and blend it well (approximately 3 to 5 times). Once components are mixed together, the resulting gel must be used within 7 days.
- (3) Pour the purple gel into a clean pump sprayer or foam device by using a dosing cup.
- (4) Apply TM Smart Gel from bottom to top from a distance of about 20 inches. The thicker the film, the easier you can detect the color change.
- (5) After a few seconds, TM Smart Gel clearly shows strong soiling by changing the color into GREEN. Less contaminated areas will turn green after a longer exposure time.
- (6) Rinse the area thoroughly with lukewarm water and medium pressure - if possible, rinse immediately after each hygiene check, but maximum ten minutes after application.
- (7) Rinse equipment after use. Don't store containers under pressure.

Application with Cleaners containing Surfactants:

Common cleaning agents are based on the principle of hydrolysis, emulsification, or reduction of surface tension and can easily be used before applying TM Smart Gel Components A and B (AFCO 5547). In this case, however, a rinsing step with fresh water is required before using TM Smart Gel Components A and B (AFCO 5547).

DANGER

May cause skin and eye irritation upon contact. May be harmful if swallowed. For all eye contact, flush eyes well with plenty of water for 15 minutes, then consult physician. For skin contact, wash contact area well with water for 15 minutes. If irritation occurs, get medical attention. Consult the product's Safety Data Sheet (SDS) for complete safety information.

COMPATIBILITY DATA

TM Smart Gel Components A and B (AFCO 5547) are safe to use on most surfaces including stainless steel and steel. Can be used with gasket/seals made of EPDM, FKM, HNBR, and VNQ.

Not compatible with aluminum or gaskets made from natural rubber.