

WILSURF™ EX

Features

Composite of Food Detergents for Bacterial Eradication

Easy to Use

High Detergency

Food Additive

High Foaming

Antimicrobial Activity

Antimicrobial Activity

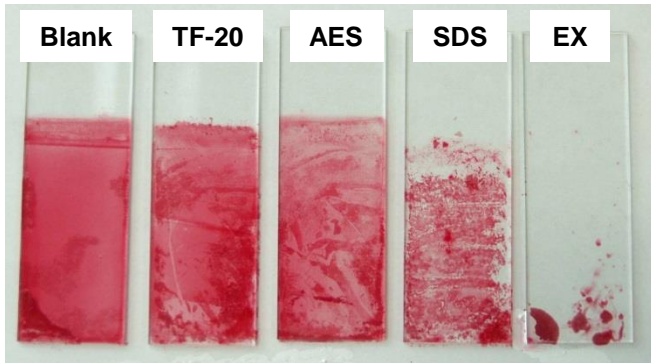
< Minimal Inhibitory Concentration (MIC) >

	E. coli	P. aeruginosa	S. aureusu	C. albicans	A. niger
WILSURF® EX	0.250	0.500	0.125	0.063	0.125
1,2-Pentanediol*	2.50	1.50	4.00	2.50	2.00
1,2-Hexanediol*	1.00	1.00	1.50	1.00	1.00
1,2-Octanediol*	0.130	0.500	0.250	0.130	0.130
Methyl paraben*	0.130	0.260	0.260	0.200	0.100
Phenoxyethanol*	0.360	0.320	0.850	0.540	0.330

* Values from literature

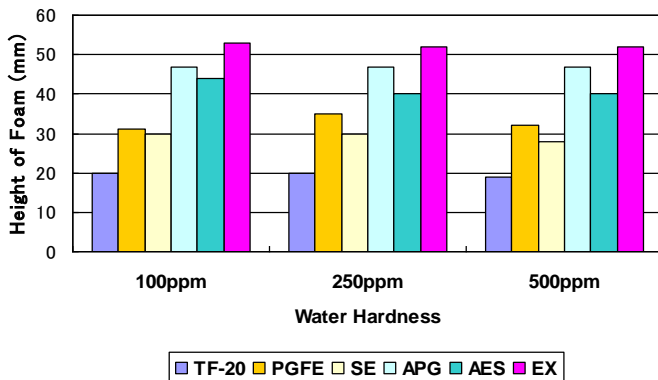
(unit; %)

Detergency



- * Evaluated by JIS K 3370.
- * Concentration of Detergent; 2wt%, 25°C, 2min
- * TF-20: Our Tween 20 for food

Foaming



<Notes>

- PGFE : Polyglycerol Ester
- SE : Sugar Ester
- APG : Lauryl Polyglycoside
- AES : Sodium Lauryl Ether Sulfate

<Conditions>

- Food mill method. (IFM-600D, Iwatani corp.)
- After stirring for 5 seconds at 25 °C, the foam height was measured after one minute.
- 4 wt% , 25°C

Safety

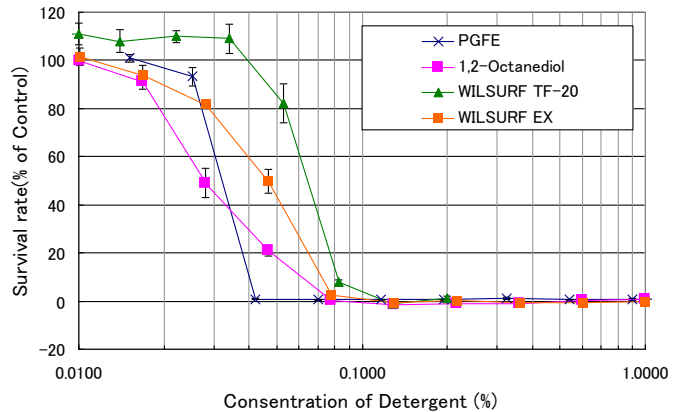


Fig. Cytotoxicity test using rabbit corneal cells (n=4)
Medium: DMEM + 10%FBS. Seeding density: 20,000cells/well. Exposure time:72hrs

Applications

* Alcohol Formulation

Enhances the antibacterial activity of alcohol.
Suitable for use with low alcohol concentrations

* Kitchen Detergent

Promotes the foaming property and detergency

* Baby's Bottle Wash & Vegetable Wash

Suitable for washing baby skin and vegetable,
because of composite of food ingredients

* Preservative

Preserve efficacy is more than 1,2-octanediol
Suitable for detergent products, because of its high foaming property

* Hand Wash

Washes dirt and bacteria with its rich foam.

Contact Information

NOF AMERICA CORPORATION

One North Broadway, Suite 1012, White Plains, NY 10601
Phone : (914) 681-9790, Fax : (914) 681-9791
<http://www.nofamerica.com>
E-mail : info@nofamerica.com

NOF CORPORATION

4-20-3, Ebisu, Shibuya-ku, Tokyo 150-6019 Japan
Phone : +81 3 5424-6771, Fax : +81 3 5424-6802
<http://www.nof.co.jp/lipidure/>
E-mail : g_honn_ls@nof.co.jp