The Brand New Approach for Rich-Foam

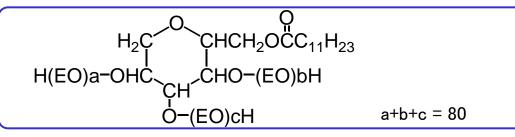
S NOF CORPORATION

NONION LT-280/LT-280W

Compliant with JSQI

1 What is NONION LT-280?





*NONION LT-280W · · · 60% LT-280 ageuos solution

Concept

The Brand New Approach for Rich-Foam

INCI

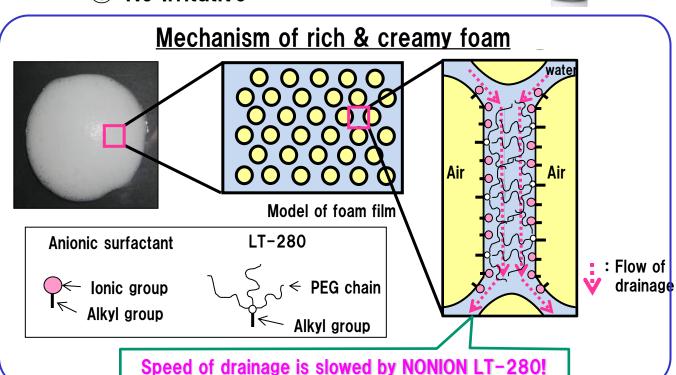
PEG-80 SORBITAN LAURATE

Chinese INCI

PEG-80 失水山梨醇月桂酸酯

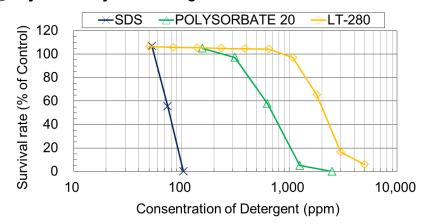
2 Characteristics

- 1 Provides rich & creamy foam
- 2 Suit for pump-foamer formulation
- 3 No Irritative



3 Safety data

1 Cytotoxicity test using rabbit corneal cells



Medium: DMEM + 10%FBS, Seeding density; 20,000cells/well, Exposure time:70hrs

/...LO/\

2 Human patch testing: Negative

(10%ag., 34 adults, occlusive patch 24hours)

4 Foam Viscosity

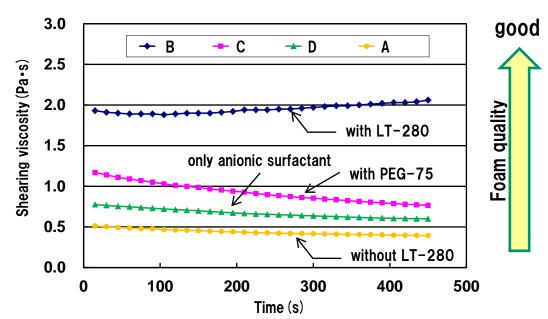
Condition

Test samples were poured into the foamer pump. Then the viscosity of foam which was pushed from foamer pump was measured by rheometer (Instrument: Paar Physica MCR-300, Share rate: 1 S-1, Temperature: 25 °C, cone-plate: dia.50 mm, 2°)

					(Wt%)
Product Name	INCI (active wt%)	Α	В	С	D
NONION LT-280W	PEG-80 SORBITAN LAURATE	-	8.0	-	-
PEG-4000	PEG-75	-	-	8.0	
DIAPON® K-SF	30%SODIUM METHYL COCOYL TAURATE	1.2	1.2	1.2	5.1
NISSAN ANON® GLM-R-LV	30%SODIUM COCOAMPHOACETATE	1.2	1.2	1.2	5.1
-	GLYECRIN	10.0	10.0	10.0	10.0
Buffer Solution*	-	blance	blance	blance	blance
	Total	100	100	100	100

^{*:} Citric acid 0.1%, Sodium Citrate 0.9%, Water 99.0%: pH=5.9

Result



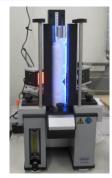
Measurement of foam stability 1

Condition

5

- 1 The foam discharged from the pump foamer filled the glass cylinder.
- 2 Two-dimensional size of the foams reflected in a prism of glass cylinders are monitored over time.

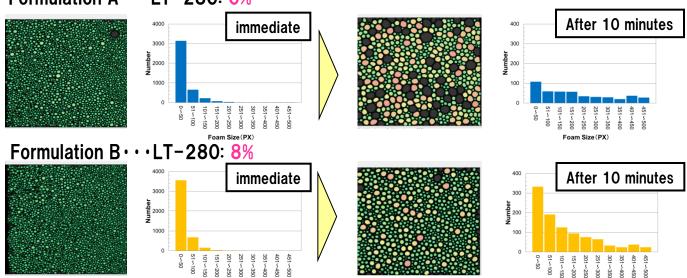
Instrument: : DYNAMIC FOAM ANALYZER DFA100 (KRUSS)



DFA100

Result

Formulation A···LT-280: 0%

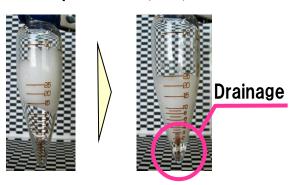


NONION LT-280 Improves foam stability!

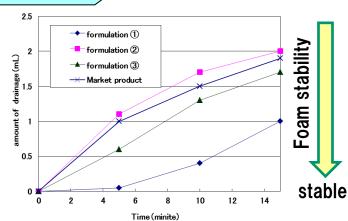
6 Measurement of foam stability 2

Method

- 1)Inserted the foam to 30mL volumetric flask.
- 2 Measured the drainage amount of each sample after 5, 10, 15 minutes.



Result



Product Name	INCI	1	2	3
NONION LT-280	PEG-80 SORBITAN Laurate	10	ı	10
DIAPON K-SF	30%SODIUM METHYL COCOYL TAURATE	1.2	1.2	_
-	GLYCERIN	8	8	8
-	WATER	blance	blance	blance

Application

Foamy facial wash

INCI (active)	NOF Products	wt%
PEG-80 SORBITAN LAURATE	NONION LT-280	6.0
GLYCERIN	-	10.0
30%SODIUM METHYL COCOYL TAURATE	DIAPON® K-SF	8.0
30% COCAMIDOPROPYL BETAINE	NISSAN ANON® BDF-R	6.0
COCAMIDE DEA / GLYCERIN	STAFOAM™ DFC	2.0
Preservatives, pH adjuster	_	q.s.
WATER	_	blance

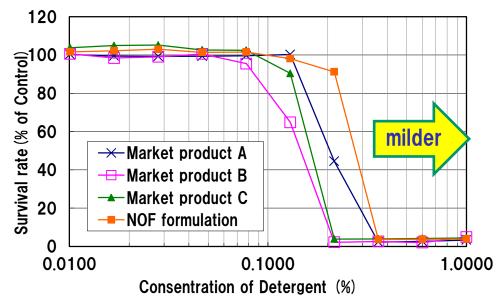
Put all ingredients into the beaker and stir to homogeneously at R.T.

*We show our customers on technical information to the best of our knowledge under the given circumstances. We have no undertakings nor obligations on our information about stability or safety effects etc..

Nothing herein is to be taken as a license to operate under or a recommendation toinfringe any patents..

Safety Test

Cytotoxicity test using rabbit corneal cells of above formulation



Medium: DMEM + 10%FBS, Seeding density: 20,000cells/well, Exposure time:72hrs

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