

Taurate Surfactant

Pureact WS Conc.

INCI Name: Sodium Methyl Cocoyl Taurate

CAS No.: 61791-42-2 EINECS No.: 263-174-9

Pureact WS Conc. is a 30% active material that is manufactured in paste form. This concentrated form is higher than other commercially available cocoyl taurate surfactants.

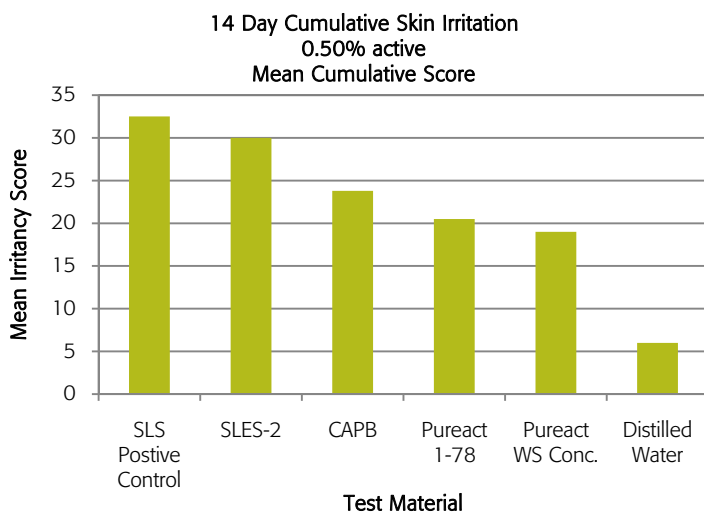
Pureact WS Conc. is compatible with all nonionic and anionic surfactants, is stable at extreme pH conditions, and is effective under hard water conditions.

Pureact WS Conc. provides exceptional foaming and a flash foam that provides large lacey bubbles. It is considered sulfate-free and can be used as a primary surfactant at use levels of up to 30%. It can also be used in clear systems.

Pureact WS Conc. is naturally derived from coconut.

Applications

Pureact WS Conc. is often used in shampoos, liquid cleansers, bubble baths, shaving preparations as well as other cosmetic applications because of its excellent cleansing properties as well as lubricity and mildness.



TYPICAL PROPERTIES

Not intended for use in preparing specifications

Appearance	Soft, off-white pearlescent paste with a mild, fatty odour
Active ingredient, %	30 – 31.5
pH, 10% solution	7.4 – 8.4
Sodium chloride, %	4.0 – 7.5
Total solids, %	38 - 43
Free fatty acid, %	0.30 – 3.0

Storage and Handling

Pureact WS Conc. is not affected by freezing. Simply re-warming and mixing gently will bring it back to its normal state.

Pureact WS Conc. is subject to bacterial contamination if left open to the environment for extended periods of time. Drums should be closed tightly and if possible, the entire contents of drum should be used upon opening. Sample Formulations

Suggested Formulation

Sulfate-Free Body Wash AC053

Body wash with a dense, luxurious lather and silky smooth after feel

	INCI Ingredients	Tradename (Supplier)	% w/w
A	Water		q.s. to 100
	Trisodium Ethylenediamine Disuccinate	Natrlquest E30 (Innospec)	0.10
	Glycerin		3.00
B	Sodium Methyl Cocoyl Taurate	Pureact WS Conc. (Innospec)	15.00
	Sodium Cocoyl Isethionate	Pureact I-78C (Innospec)	1.50
	Cocamidopropyl Betaine	Mirataine BET C-30 (Rhodia)	12.00
	Dimethicone PEG-8 Benzoate	Finsolve SLB-201 (Innospec)	0.80
	Methyl Gluceth-20 Benzoate	Finsolve EMG-20 (Innospec)	0.50
	PEG-150 Pentaerythrityl Tetrastearate	Crothix (Croda)	2.00
C	Preservative		q.s.
D	Citric acid (50% solution)		q.s. to pH 6.0 – 6.5

Preparation Procedure

1. Dissolve Natrlquest E30 and glycerin in water.
2. Begin heating to 50-60°C and with smooth mechanical agitation, slowly blend each ingredient of phase B, one at a time, into water and mix until completely dispersed.
3. Cool system to 30-35°C, add preservative and mix until uniform.
4. Adjust pH to 5.5 – 6.0 with citric acid solution as needed.

Properties

Appearance	Clear, gel
pH	5.5 - 6.0
Viscosity*:	7,000 - 10,000 cps
Stability:	Passed 1 month at 45°C, 3 cycles freeze/thaw

*Brookfield DV-E@10 RPM, 25°C, #3 Spindle



For further information, please email your region:

Americas: americas-ac@innospecinc.com Europe, Middle East and Africa: emea-ac@innospecinc.com Asia-Pacific: aspac-ac@innospecinc.com www.innospecinc.com
The facts stated and the recommendations made are based on our own research and/or the research of others, and are believed to be accurate. No guarantee of their accuracy is made, however, and unless otherwise expressly provided by law or in written contract, the materials are sold without warranties, expressed or implied, in particular without guarantee as to suitability for particular purpose. Innospec assumes no responsibility for injury or damage to users or third parties. Recipient agrees to assume all risk and liability whether used singly or in combination with other materials. Issue No.4 /2010

