

Technical Data Sheet

Suga®Nate 100NC



INCI NAME Sodium Decylglucosides Hydroxypropylsulfonate
CAS NUMBER 742087-48-5
LISTINGS US (TSCA): Canada (NDSL): Australia (AICS)

DESCRIPTION

Suga®Nate 100NC is a high foaming sulfonated surfactant based on a naturally derived alkyl polyglucoside derivative. Suga®Nate 100NC offers good emulsification, mildness to the skin, and excellent lime soap dispersion to give the formulator maximum flexibility in the preparation of light and heavy-duty cleaners. Suga®Nate 100NC can be used in dishwashing liquids that feature outstanding grease emulsification, mildness to the hands, and excellent foam stability. Suga®Nate 100NC exhibits superior cleaning in very hard water, reducing the need for expensive builder in the formulation. It is also suitable for use in acidic formulations such as those containing glycolic or α -hydroxy acids. The stability of Suga®Nate 100NC at any pH makes it desirable in many formulations for industrial, institutional and household applications.

RECOGNITION

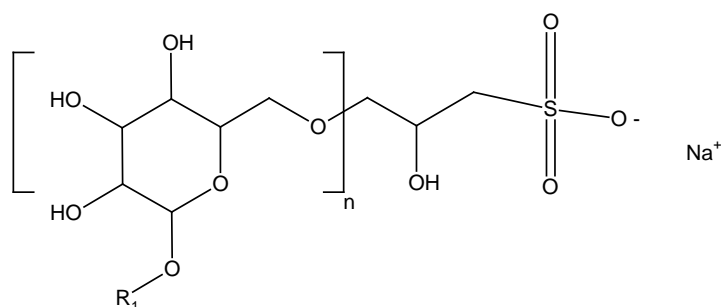
Suga®Nate 100NC is the recipient of the EPA's New Chemicals Program Pollution Prevention (P2) Recognition Award. Innovative new chemicals are selected for recognition by the New Chemicals Program P2 Recognition Project because they promote source reduction as well as safety goals, in particular when the innovative chemistries substitute for existing chemicals posing greater risks. Suga®Nate 100NC is selected because it is a sulfonated surfactant based on the renewable resource of alkyl polyglucoside, a naturally-derived, sustainable raw material. This primary surfactant is readily biodegradable, soluble in water and non-irritating to the skin. Suga®Nate 100NC is a safe replacement for heavily ethoxylated surfactants.

SKIN/EYE IRRITATION TESTING

Skin irritation testing was performed on 53 test subjects who wore a patch containing 10% Suga®Nate 100NC for 48 and 72 hours. Visual observation of the skin after that time revealed no changes in skin condition in all test subjects indicating the negative potential for skin irritation by Suga®Nate 100NC.

HET-CAM: 5.0% Solution; Score of **18.25**

CHEMICAL STRUCTURE



TYPICAL PROPERTIES

Appearance (25°C)	Clear Liquid
pH (10% Solution)	7.0
% Solids	40.0
Color, Gardner '98	1
Odor	Mild, fatty alcohol
Ross Miles Foam (1%, 25°C, tap water), mm	
Immediate	175
1 minute	163
5 minutes	160
Draves Wetting (1 % active)	Immediate

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SUGGESTED FORMULATION

Foaming Pump Hand Soap

1	Water	68.0 %
2	Cola®Trobe OD	17.0 %
3	Suga®Nate 100NC	10.0 %
4	Dipropylene glycol	3.0 %
5	Cola®Teric COAB	2.0 %

Add 2-3% Colonial Monolaurin to this formula if desired for additional benefits (antimicrobial, emolliency).

Hand Dishwashing Liquid

1	Water	35.8 %
2	Suga®Nate 100NC	46.0 %
3	Cola®Liquid DC	9.4 %
4	Cola®Dol 91-6	8.8 %

Add fragrance and color as required.

STORAGE AND HANDLING

It is recommended that Suga®Nate 100NC be stored in sealed containers at temperatures not exceeding 120°F (49°C). Shelf life is 24 months from date of manufacture. A Safety Data Sheet is available upon request.

PACKAGING

Suga®Nate 100NC is shipped in 55 gallon poly drums, in totes or bulk.

ADDITIONAL LISTINGS

- DfE Approved (CleanGredients)
- USDA BiopREFERRED Product
- Natural Products Association Certified Ingredient
- Whole Foods Market® Premium Body Care™ Ingredient
- GreenStar™ Rating of 10.0



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