



Product Bulletin

PERSONAL CARE

Product Name

Chemical Structure

NINOL® CAA

 $R = C_{11} \text{ or } C_{13}$

Chemical Description

CAS Registry No.

INCI Name

Applications

Typical Properties NINOL CAA is a dimethyl amide made from saturated, vegetable-derived C₁₂-C₁₄ carbon chains.

3007-53-2 and 3015-65-4

Dimethyl Lauramide/Myristamide

Functional Properties

- Fragrance solubilizer Active ingredient solubilizer
- Foam stabilizer

- Foam booster
- Viscosity booster

End Product Uses

- Shampoos
- Body washes Liquid soaps

- Facial cleansers Bubble baths
- Deodorants

BCI (Biorenewable Carbon Index)	86
Actives (wt %)	
Appearance at 25 °C	Clear to slightly hazy liquid
Density at 25 °C, g/ml (lbs/U.S. gal)	0.87 (7.3)
Average Molecular Weight (g/mol)	
Moisture, %	0.1
Viscosity at 25 °C, cps	8
Acid Value, meq/g KOH	<4
pH, 5% in 1:1 IPA/H ₂ O	
Flash Point, PMCC, °C (°F)	
Pour Point, °C (°F)	
Cloud Point, °C (°F)	
Boiling Point, °C (°F)	285 (545)
Freeze Point, °C (°F)	11 (52)
Melting Point, °C (°F)	
Color, Gardner	<1
Color, APHA	30
Refractive Index at 20 °C	1.45
Surface Tension (as is), dynes/cm	30.8
Dielectric Constant at 25 °C	12.91
Solubility	
NINOL CAA in water (25 °C; %wt.)	0.01
Water in NINOL CAA (25 °C; %wt.)	1
Methanol	Soluble
Kerosene	
Xylene	
Hansen Solubility Parameters	
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Environmental Effects

Health Effects

Storage & Handling

Clearances

Product is readily biodegradable. A detailed biodegradation statement is available upon request.

NINOL CAA is slightly toxic orally (LD₅₀=1,750 mg/kg). It causes mild skin and eye irritation.

Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling NINOL CAA. Contact with the eyes and prolonged contact with the skin should be avoided. Wash thoroughly after handling material.

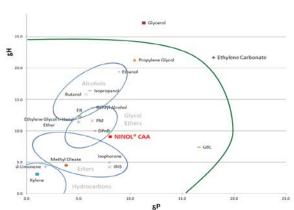
Storage Information: Stainless steel storage vessels are recommended. It is recommended that NINOL CAA be stored in sealed containers at temperatures between 55 °F (12 °C) and 120 °F (49 °C). Avoid overheating or freezing. If material is frozen, mild heat and agitation are recommended to ensure the material is homogeneous before use. Temperatures up to 130 °F (54 °C) can be maintained for long periods of time without degradation of the product.

Standard Packaging: NINOL CAA is available in 55 gallon drum and bulk quantities.

The international inventories (country clearances) of NINOL CAA can be found in Section 15 of the Safety Data Sheet (SDS). It is the responsibility of the formulator to review the chemical control regulations for each country where the end product is intended to be sold or used. If you have any further questions regarding inventories, please contact North America Technical Service at techneror@stepan.com

The Hansen solubility parameters are a key characteristic of solvency power used to predict if one material will dissolve another one to form a solution. As shown in the graph below, NINOL CAA has a large Hansen space.

Hansen Solubility Solvents Map



This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

Product Stewardship

Additional Safety Information

A Safety Data Sheet is available upon request.



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