



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 booster
 - Viscosity booster

Foam stabilizer

End Product Uses

- Shampoos
- Body washes
- Liquid soaps

- Facial cleansers
- Bubble baths
- Deodorants

BCI (Biorenewable Carbon Index)	3
Actives (wt %)	
Appearance at 25 °C	t
Density at 25 °C, g/ml (lbs/U.S. gal)	
Average Molecular Weight (g/mol)	
Moisture, %	
Viscosity at 25 °C, cps	
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)<11 (<52)	
Boiling Point, °C (°F)	
Freeze Point, °C (°F)	
Melting Point, °C (°F)	
Color, Gardner	
Color, APHA	
Refractive Index at 20 °C	
Surface Tension (as is), dynes/cm	
Dielectric Constant at 25 °C	
Solubility	
NINOL CAA in water (25 °C; %wt.)	ı
Water in NINOL CAA (25 °C; %wt.)	
Methanol	
Kerosene	9
Xylene Soluble	
Hansen Solubility Parameters	ı



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

Health Effects

Clearances

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

Storage & Handling

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.

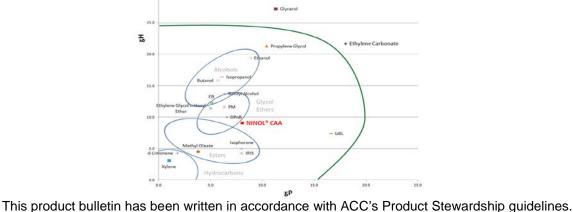
Standard Packaging: NINOL CAA is available in 55 gallon drums (net weight 375 lb/170 kg) and bulk quantities.

All components of NINOL CAA are listed in the following counties, the registration numbers for the active ingredients are listed in parentheses: Europe (EINECS 221-117-5 & 221-151-0), United States (TSCA 3007-53-2 & 3015-65-4), Australia (3007-53-2 & 3015-65-4) and Japan (ENCS No. 2-825).

It is the responsibility of the end user to review the chemical control regulations for each country.

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



Product Stewardship

Additional

Safety Information A Safety Data Sheet is available upon request.

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A Salety Data Sheet is available upon request.

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