



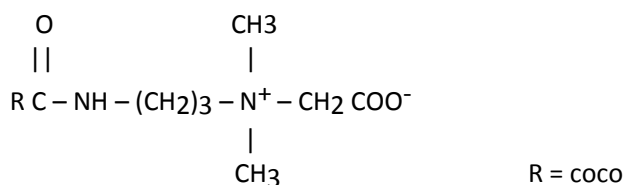
Technical Data sheet

1. Identification

Product identifier

Other means of identification **TIDAINE (Cocamidopropyl Betaine)**

Chemical
Structure



Chemical Description TIDAINE is a mild amphoteric surfactant derived from cocomethyl esters

CAS Registry No 61789-40-0
INCI Name Cocamidopropyl Betaine

2. Applications

Functional Properties	
Primary or secondary surfactant	
Foam booster	Viscosity builder
Compatible with anionics, nonionics and cationics	Antistatic Agent

End Product Uses	
Bubble Baths	Hand Soaps
Hair Conditioners	Cleansing Creams & Lotions
Shampoos	Shower Gels
Baby Products	Cream Rinses
Pet Shampoo	





3. Properties

Typical Properties	
Appearance at 25°C	Clear liquid
Solids, %	38
pH, 10% aqueous	4.5 - 7.0
Cloud Point (as is), °C (°F)	-5 (23)
Pour Point, °C (°F)	-5 (23)
Flash Point (PMCC), °C (°F)	>94 (>201)
Boiling Point, °C (°F)	>100 (>212)
Preservative	DMDM Hydantoin
Actives, %	30
Sodium Chloride, %.	5.2
Color, APHA	250 max.
Viscosity at 25°C, cps	16
Density, g/ml (lbs/U.S. gal)	1.043 (8.7)
RVOC, U.S. EPA%	0
Freeze Point, °C (°F)	-8 (18)

Biodegradability & Toxicity

Product is biodegradable. Additional information is available upon request.

TIDAINE is slightly to practically non-toxic orally ($LD_{50} = 5$ g/kg) and causes moderate eye and mild skin irritation at 10% active.

Storage & Handling

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

It is recommended that TIDAINE be stored in sealed containers and kept at temperatures between 40°F (4°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.

Standard Packaging: TIDAINE is available in bulk and 55 gallon drums (net weight 450 lb/204 kg).





Formulations		
ECONOMY BUBBLE BATH (Salt-Free)		
Ingredients	Wt, % (as is)	Function
TIDAPON 30%	28.0	Primary Surfactant
TIDAINE	4.0	Viscosity Builder/Foam Booster
Hydroxyethylcellulose	0.4	Thickener
Citric Acid (50%)	q.s	pH Adjuster
Fragrance, Dye, Preservative	q.s	Additives
D.I. Water		
	q.s. to 100.0	Solvent, Carrier

Mixing Procedure

Disperse Hydroxyethylcellulose in D.I. Water and heat to 42°C. Mix until completely dispersed. Add TIDAPON 30% and TIDAINE and blend until clear. Adjust pH to 6.5 - 7.5 with citric acid. Add fragrance dye and preservative, if desired.

Physical Properties	
Appearance at 25°C	clear liquid
pH (as is).	6.5-7.5

HIGH ACTIVE CLEAR GEL SHAMPOO		
Ingredients	Wt % (as is)	Function
TIDAPON 30%	70.0	Primary Surfactant
TIDAINE	6.6	Secondary Surfactant
Citric Acid (50%)	q.s	pH Adjuster
Fragrance, Dye, Preservative	q.s	Additives
Sodium Chloride	q.s	Viscosity Adjuster
D.I. Water	q.s. to 100.0	Solvent, Carrier





We are dedicated to providing the best

- Quality
- Value
- Service



Mixing Procedure

To D.I. Water, add TIDAPON 30% and TIDAINE, mixing well after each addition. Adjust pH to 6.5 - 7.5 with citric acid. Add fragrance, dye and preservative, if desired. Adjust to desired viscosity with sodium chloride.

Physical Properties	
Appearance at 25°C pH (as is).	clear gel

Additional Safety Information

A Material Safety Data Sheet is available upon request.

Nothing contained herein grants or extends a license, express or implied, in connection with patents issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

