



BETADET THC-2

Mild amphoteric ingredient
for gentle formulations

BETADET THC-2

BETADET THC-2 is amphoteric surfactant used mainly as a secondary surfactant in mild formulas like baby products and high quality skin cleansing preparations for daily use.

BENEFITS

- Mild co-surfactant.
- Good thickening properties – allows to reduce the addition of sodium chloride.
- Foam booster agent even in the presence of oil or soap.
- Natural origin – 86% Natural content according to ISO 16128.
- Preservative-free.

PROPERTIES – FEATURES

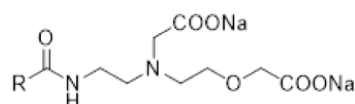
- BETADET THC-2 is compatible with other anionic, non-ionic and amphoteric surfactants.
- BETADET THC-2 reduces the irritation level of anionic surfactants when mixed with them.
- Usage rate: 3 - 30%.
- Suitable for a wide range of pH.
- Main functions of BETADET THC-2:
 - **Detoxifying effect:** it decreases the irritation level of usual anionic surfactants.
 - **Foam booster:** it increases foam level and modifies the quality of the foam.
 - It performs as a viscosity modifier allowing to reduce sodium chloride addition in the final formula.

PRODUCT DEFINITION

INCI: Disodium Cocoamphodiacetate

EU CAS Number: 68650-39-5

US CAS Number: 68650-39-5



R-CO = coconut-like alkyl chain

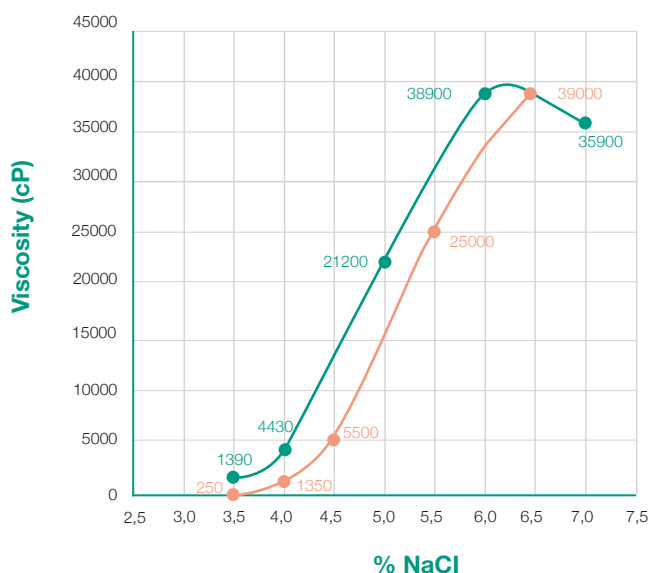
TYPICAL CHARACTERISTICS

(not part of the specifications)

| | |
|-------------------|------------------------------|
| Appearance (20°C) | Yellowish transparent liquid |
| Character | Amphoteric |

THICKENING ABILITY

MODEL FORMULA



10% a.m SLES + 3% a.m amphoteric —●— BETADET THC-2 —●— SLES





APPLICATION

- Baby products
- Skin cleansers for sensitive skin
- Facial cleansers
- Mild shower gels
- Mild liquid soaps
- Cream baths
- Intimate hygiene products
- Hair shampoos
- Pet shampoos
- Shaving products

FORMULATION GUIDELINES

C-151: SHAMPOO – COLOUR PROTECTION

| COMPOSITION | % |
|-------------------------------------------------|-----------|
| EMAL 227E Sodium Laureth Sulfate | 22.2 |
| BETADET THC-2 Disodium Cocoamphodiacetate | 7.5 |
| DANOX PL-10 Pearling concentrate | 4.0 |
| AKYPO RLM 100 Laureth-11 Carboxylic acid | 3.3 |
| AMIDET APA-22 Behenamidopropyl Dimethylamine | 2.0 |
| Cationic Amino Quaternized Silicone Terpolymer | 1.0 |
| Polyquaternium-10 | 0.2 |
| Additives* | q.s. |
| Deionized Water | Up to 100 |

*Additives: pH adjustment, preservative, fragrance, dyes, etc.

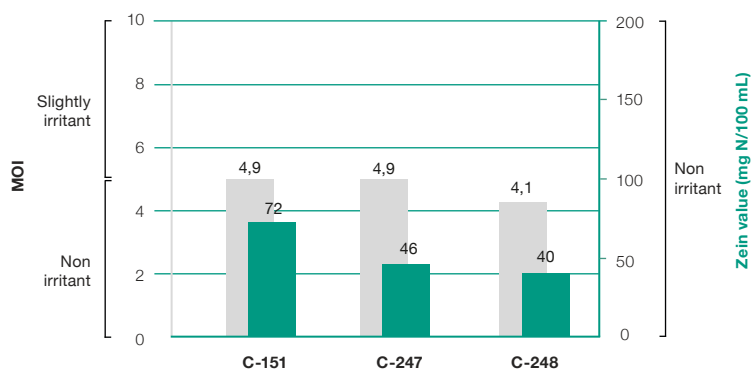
C-248: SHOWER GEL – ULTRA MILD

| COMPOSITION | % |
|-----------------------------------------------|-----------|
| BETADET HR Cocamidopropyltrimethyl Betaine | 16.3 |
| BETADET THC-2 Disodium Cocoamphodiacetate | 12.0 |
| EXCEPARL LM-LC Lauryl Lactate | 1.9 |
| Decyl Glucoside | 7.5 |
| Exfolactive | 0.2 |
| Additives* | q.s. |
| Deionized Water | Up to 100 |

C-247: STRENGTHENING SHAMPOO

| COMPOSITION | % |
|--------------------------------------------------|-----------|
| BETADET HR Cocamidopropyltrimethyl Betaine | 16.3 |
| AKYPO FOAM RL 40 Sodium Laureth-4 Carboxylate | 13.3 |
| BETADET THC-2 Disodium Cocoamphodiacetate | 12.0 |
| EXCEPARL LM-LC Lauryl Lactate | 2.0 |
| Decyl Glucoside | 7.5 |
| Sodium Chloride | 0.5 |
| Panthenol 50% | 0.4 |
| Keratin | 0.2 |
| Additives* | q.s. |
| Deionized Water | Up to 100 |

IRRITATION POTENTIAL Eyes & Skin Cleansing Products



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