

TECHNICAL DATA SHEET (TDS)

Ultra Clear Soap Base

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1. Product Description

A premium melt & pour soap base manufactured by Kosmos Toiletries using fatty-acid neutralization technology with high levels of polyols for superior clarity, melt performance and mildness. Designed for professional soap makers and private-label brands.

2. Typical Composition

Aqua, Sodium Stearate, Sodium Laurate, Sorbitol, Glycerin, Propylene Glycol, Sodium Laureth Sulfate, Sodium Lauryl Sulfate, Sodium Chloride, Stearic Acid, Lauric Acid, Citric Acid, Sodium Citrate, Tetrasodium Etidronate. (Ultra clarity; hardness-optimised; moderated glycerin.)

3. Typical Physical & Chemical Properties

Appearance	Highly transparent solid block
Color	Water-clear to very pale
Odor	Mild characteristic odor
pH (1% solution)	9.0 – 10.5
Moisture Content	10 – 15%
Foaming Performance	Moderate
Hardness	High
Transparency	Ultra high
Alcohol Content	None

4. Application

Decorative transparent soaps, embedded flower/leaf designs, glitter soaps, gift and hotel clear bars.

5. Processing Recommendation

Melt at 75 – 80°C. Minimise air bubbles; pour carefully. Good colour stability under high-temperature melt conditions. Recommended working range: 75 – 80°C.

6. Packaging

500 g, 1 kg and 10 kg solid blocks packed in protective plastic roll film. Suitable for international export shipping.

7. Storage

Cool, dry, sealed storage away from sunlight.

8. Shelf Life

24 months under recommended storage conditions.

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