

TECHNICAL DATA SHEET (TDS)

Alcohol-Free Transparent 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. (Hardness-optimised; moderated glycerin.)

3. Typical Physical & Chemical Properties

Appearance	Transparent solid block
Color	Clear to light amber
Odor	Mild characteristic odor
pH (1% solution)	9.0 – 10.5
Moisture Content	10 – 15%
Foaming Performance	Excellent
Hardness	High
Transparency	High
Alcohol Content	None

4. Application

Transparent beauty soap, facial cleansing soap, herbal soap, essential oil soap, handmade soap, hotel soap.

5. Processing Recommendation

Recommended melting temperature: 75 – 80°C. Designed for good colour stability under elevated processing temperatures. Recommended working melt 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

Store in a cool, dry place away from direct sunlight. Keep sealed to prevent moisture absorption.

8. Shelf Life

24 months under recommended storage conditions.

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