

TECHNICAL DATA SHEET (TDS)

SLS-Free Transparent Soap Base

Document Date: 2026-05-10 | Product Code: KT-SF-001

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 Oleate, Sodium Myristate, Sodium Chloride, Cocos Nucifera (Coconut) Oil, Glyceryl Laurate, Cocamidopropyl Betaine, Citric Acid, Sodium Citrate, Tetrasodium Etidronate. Free from SLS. (Hardness-optimised; moderated glycerin.)

3. Typical Physical & Chemical Properties

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

4. Application

Mild transparent soaps, sensitive-skin and baby-care oriented bars, natural-positioning brands, hotel and gift clear soaps.

5. Processing Recommendation

Melt at 75 – 80°C. Good colour stability under high-temperature melt conditions. Recommended working range: 75 – 80°C. Suitable for fragrance and colour systems used with standard transparent bases.

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.

This document is provided for informational purposes. Specifications may be updated. For the latest version contact info@kosmostoiletries.com.