

# TECHNICAL DATA SHEET (TDS)

No-Sweat White 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, Titanium Dioxide, Sodium Chloride, Stearic Acid, Lauric Acid, Citric Acid, Sodium Citrate, Tetrasodium Etidronate. (Low-sweat profile: moderated glycerin & polyols; hardness-optimised for humid markets.)

## 3. Typical Physical & Chemical Properties

|                     |                          |
|---------------------|--------------------------|
| Appearance          | White solid block        |
| Color               | White                    |
| Odor                | Mild characteristic odor |
| pH (1% solution)    | 9.0 – 10.5               |
| Moisture Content    | 8 – 13%                  |
| Foaming Performance | Rich and creamy          |
| Hardness            | High                     |
| Opacity             | Opaque                   |
| Sweating tendency   | Low                      |

## 4. Application

White / milk-style soaps for humid regions with improved shelf stability in tropical conditions.

## 5. Processing Recommendation

Recommended melt range: 75 – 80°C. Good colour stability under elevated temperatures. Cool fully before packaging.

## 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. Critical in high humidity.

## 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](mailto:info@kosmostoiletries.com).