

TECHNICAL DATA SHEET (TDS)

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TRANSPARENT SOAP BASE

PRODUCT DESCRIPTION

Transparent Soap Base is a high-quality, ready-to-use glycerin melt and pour soap base specially formulated for transparent and decorative soap production. It offers outstanding clarity, moisturizing performance, and stability across a wide temperature range. This base contains plant-derived raw materials and is free from parabens and animal fats, making it ideal for eco-conscious brands and handmade soap artisans.

Its smooth texture, mild lather, and neutral scent allow full flexibility for customization with natural essential oils, botanicals, exfoliants, and pigments. The product's exceptional clarity makes it suitable for embedding soaps, layered designs, and gift-ready soap bars.

PURPOSE OF USE

Designed for use in the manufacture of transparent soaps with aesthetic appeal and skin-friendly properties. The base simplifies the soap-making process by eliminating the need for saponification, allowing both industrial and craft-scale users to produce high-quality soaps efficiently.

APPLICATION AREAS

- Handmade soap workshops and studios
- DIY soap-making kits for retail or online sale
- Luxury soap gift sets and wellness product collections
- Private label (custom formulation) for boutique brands
- Wholesale supply for cosmetic and hotel amenities production
- Educational and creative soap-making programs

ADVANTAGES

- High transparency and optical clarity, suitable for embedding objects or layered designs
- Excellent foam stability and skin softness after use
- Easily meltable at low temperatures (65–75°C)
- Compatible with a wide range of natural colorants, fragrances, and additives
- Low shrinkage and high hardness for professional-grade soap bars
- Non-toxic, biodegradable, and compliant with EU Cosmetic Regulation (EC) No 1223/2009
- Supports private label branding and bulk customization
- Available in wholesale packaging for distributors, DIY retailers, and artisans

Star Kimya ve Gıda San. Paz. Ltd. Şti.

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DIRECTIONS FOR USE

- Cut the soap base into small cubes to ensure even melting.
- Melt the cubes using a double boiler or microwave at 65–75°C. Avoid boiling.
- Incorporate additives such as essential oils (up to 3%), colorants, dried flowers, or natural exfoliants while stirring gently.
- Pour the mixture into molds. For decorative layering, let each layer cool slightly before adding the next.
- Cool at room temperature for 3–4 hours or refrigerate for faster solidification.
- Demold and wrap the finished bars immediately to preserve transparency and prevent sweating.
- For industrial-scale production, continuous melting and filling systems can be used under controlled temperature and humidity.

COMPOSITION

Glycerin, Aqua, Sorbitol, Sodium Stearate, Sodium Laurate, Propylene Glycol, Sodium Chloride, Disodium EDTA, Tetrasodium Etidronate.

All ingredients are cosmetic-grade and approved under EU and FDA guidelines.

PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	VALUE / RANGE	TEST METHOD
Appearance	Transparent solid block	Visual
Color	Clear, colorless to light yellow	Visual
pH (10% solution)	7.0 – 8.0	ISO 4316
Density (g/cm ³)	1.02 – 1.05	ISO 758
Melting Point	65 – 75°C	Internal
Solubility	Completely soluble in water	-
Shelf Life	24 months (unopened, dry conditions)	-

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PACKAGING INFORMATION

- 1, 5 kg blocks for small and medium-sized producers
- 20 kg drums for industrial bulk users

Custom sizes and private label packaging options (with brand logo, scent, or mold design) are available upon request. The product can also be included in Allgreen Soap Making Kits or customized Gift Sets for wholesale distribution.

STORAGE CONDITIONS | CERTIFICATIONS | SAFETY INSTRUCTIONS

Store tightly sealed in a cool, dry place between 15–25°C, away from direct sunlight and moisture. Avoid extreme temperature fluctuations to maintain clarity.

Certified under ISO 9001:2015 Quality Management System and ISO 22716:2007 GMP for Cosmetics.

This product is for external use only. Avoid contact with eyes and ingestion. In case of contact, rinse immediately with clean water. Keep out of reach of children. Use gloves when handling melted base. Dispose of residues according to local environmental regulations.

GENERAL INFORMATION

Transparent Soap Base is manufactured by Star Kimya Sanayi Ltd. Şti., a Turkish producer specializing in eco-friendly soap bases, sustainable detergents, and Castile soap formulations under the Allgreen brand.

We offer wholesale and OEM/private label services for international distributors, craft businesses, and cosmetic laboratories seeking customized formulations, fragrances, or packaging.


Allgreen's transparent soap bases are a trusted choice for artisanal soap makers, retailers, and eco-conscious beauty brands across Europe, the Middle East, and North America.

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