

SalScent® (SST)

A self-encapsulation fragrance technology.

A tool for fragrance formulation which increases fragrance value by boosting longevity, allowing on-demand release and improving cost-effectiveness.

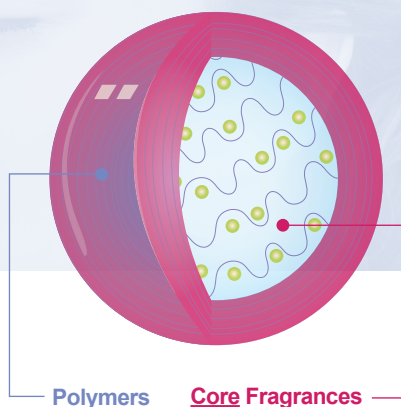


Figure 1: The structure of SST in which the fragrance molecules are encapsulated in the core.

UNIQUE FEATURES

- EXTENDS THE RELEASE OF FRAGRANCE PERFORMANCE**
Offering a cost-effective and flexible solution.
- VERSATILE USE INCLUDING COMPATIBILITY WITH CLEAR PRODUCTS**
Compatible with most formulations, including clear aqueous or hydro-alcoholic bases.
- FLEXIBILITY**
Allows for fragrance encapsulation at any facility.



ENCAPSULATION TECHNOLOGY

STEP 1: PREPARATION

SST is a composite of synthetic polymers that entrap the fragrance. Preparation of the carrier is done by Salvona.

STEP 2: ENTRAPMENT

Fragrance encapsulation occurs by slowly mixing the fragrance into the SST at the customer's facility.

STEP 3: IN SITU ENCAPSULATION

Once the product is applied to a surface (i.e. skin or hair), the solvent (water) evaporates, allowing the composites at the surface to condense and seal.

STEP 4: RELEASE

Fragrance release is controlled by diffusion through the composite. Outside moisture can modulate for on-demand release.

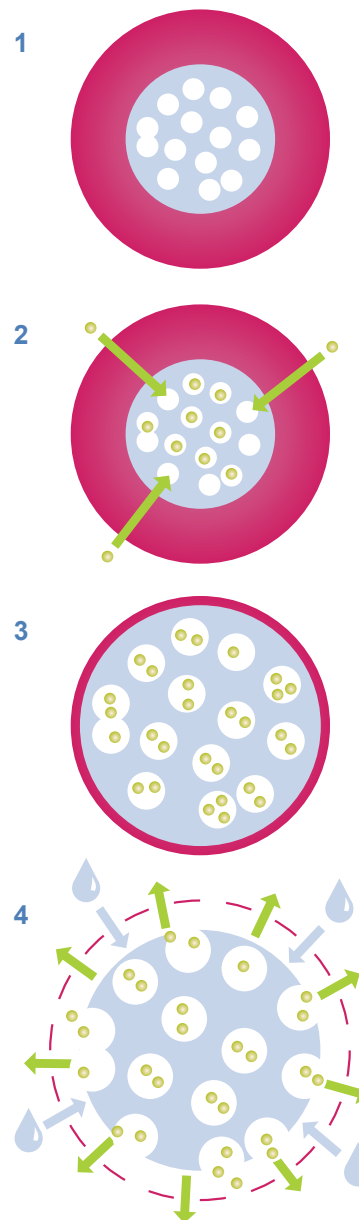


Figure 2: The process of SST encapsulation and fragrance release (1-4).



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HOW IT WORKS

SST technology provides you with the ability to encapsulate your fragrance of choice in your own facility. It also provides you with the opportunity to fully customize the balance between cost and performance. You can vary the loading of the fragrance to reach optimal performance. For maximum longevity, a ratio of 1:2 (neat fragrance:SST) is recommended.

Add the fragrance to the SST liquid while gently mixing at room temperature until it's homogeneous and a clear solution has formed.

FRAGRANCE RETENTION

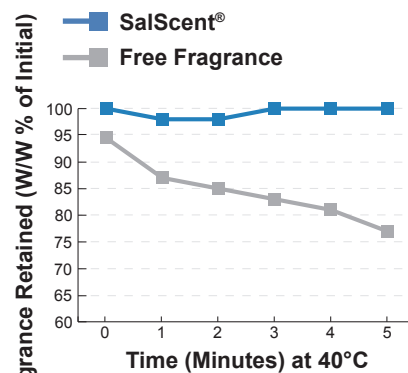


Figure 3: SST stabilized fragrance volatility for a longer-lasting effect.

FRAGRANCE TIME RELEASE

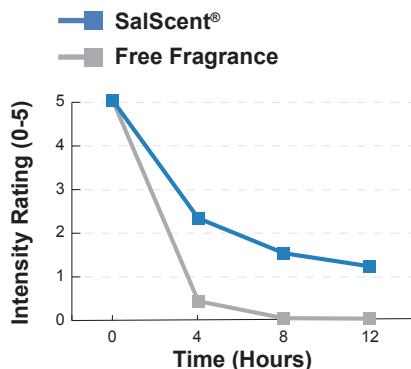


Figure 4: SST at a ratio 1:2:3 (fragrance:SST) vs. free fragrance, as a consumer perceived benefit. The ratio may vary from one fragrance to another.

RELEASE ON-DEMAND

Light environmental moisture, such as sweat, is enough to trigger release.

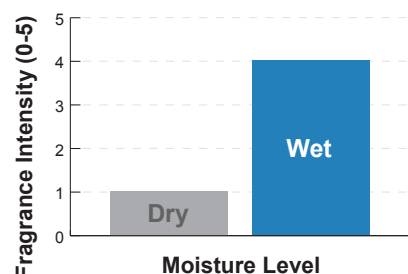


Figure 5: Consumer response ratings for SST before exposure to moisture (dry) and after (wet).

FORMULATION

Ingredients	(W/W %)
SalScent®	3
Salvona Pre-Mix S #5016	10
Preservative	1
DI Water	86

TECHNICAL DATA

Appearance @ 20°C	Translucent liquid
Applications	Mix with fragrance to create long-lasting fragrance with water-triggered release
Color	Colorless to slight yellow
Odor	Characteristic
Shelf Life (months)	18
Usage Level (wt%)	70-40% SalScent® 30-60% Fragrance
Storage (°C)	Closed container at 12-32°