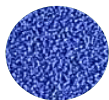


•• SPRAYSHERES •••



Soft Blue
Spheres



Gold
Spheres



Brown
Spheres



Yellow
Spheres



PRODUCT INFORMATION

Properties

Sprayspheres Type SC are basically Cellulose-Mannitol-HPMC-based spheres and are hard as bulk, get soft when incorporated in aqueous based cosmetic vehicles and disappear on skin after application without leaving a residue. Sprayspheres Type SP are basically SC-Type spheres which have a shiny, pearlescent coating on the outside giving the beads a more exclusive appearance. SG-Type spheres are SC-Type beads, which are layered with a low conc. of glitter particles. These glitter particles will remain on skin after application, giving the skin a glamerous appearance. The version Sprayspheres Type SS are surprise spheres. The Surprise Spheres show outside a different colour from the inside.

Application

Sprayspheres-Type SC/SP/SG/SS can be used in any kind of skin care and personal care products such as facial creams, body lotions, toothpaste, gels and emulsions, in liquid or in bar soap, etc. for visualization of a claim or encapsulation of Actives, Oils or Fragrances etc., but also in home care and technical products.

1. Actives used in standard available Sprayspheres- SC

Ingredient	CAS No.	EINECS No.	Origin	Function
Mint Oil	8006-90-4	-	Vegetable	Active
Ascorbic Acid	50-81-7	200-066-2	Vegetable	Active
Retinyl palmitate	79-81-2	201-228-5	Vegetable	Active
Orange oil	8028-48-6	232-433-8	Vegetable	Active
Triclosan	3380-34-5	222-182-2	Synthetic	Active
Tocopherol	10191-41-0	233-466-0	Vegetable	Active

Other Actives are possible on custom-made basis

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•• SPRAYSPHERES ••••

2. Typical Iron Oxides or other colorants

INCI Name	CAS No.	EINECS No.	Origin	Function
CI 77492 - Yellow Iron Oxide	51274-00-1	257-098-5	Mineral	Colorant
CI 77491 - Red Iron Oxide	1309-37-1	215-168-2	Mineral	Colorant
CI 77499 - Black Iron oxide	1317-61-9	215-277-5	Mineral	Colorant
CI 77891 - Titanium Dioxide	13463-67-7	215-280-1	Mineral	Colorant
CI 77289 - Chromium Hydroxide Green	12001-99-9	215-158-8	Synthetic	Colorant
CI 77007 - Ultramarine blue	1302-83-6	215-111-1	Synthetic	Colorant
CI 77019 - Mica	12001-26-1	-	Mineral	Colorant
CI 73360 - D & C Red 30	2379-74-0	219-163-6	Synthetic	Colorant

ANALYTICAL INFORMATION

Appearance :

- Sprayspheres SC: Hard, free flowing, white or matte coloured spheres
- Sprayspheres SP: ditto above, but pearlescent coloured
- Sprayspheres SG: ditto SC, but glitter layered
- Sprayspheres SS: ditto SC, but coated with different colour

Particle size :

- XS (Extra Small) = < 0.2mm
- VVS (Very, Very Small) = 0.2 – 0.3mm
- VS (Very Small) = 0.3 – 0.6mm
- S (Small) = 0.6 – 0.8mm
- M (Medium) = 0.8 – 1.4mm
- L (Large) = 1.4 – 2mm
- XL (Extra Large) = 2 – 5mm
- XXL (Extra, Extra Large) = 5 – 8mm

Solubility :

Practically insoluble in water and oil

Bulk Density :

Not lower than 0.50 gm/cc

Addition procedure of Spheres :

Addition will be at low temperature (below 35°C) at the end of the process with gentle, low speed stirring until homogenous distribution of Sprayspheres-Type SC/SP/SG/SS is obtained.

Use Level :

Depending on particle size of Sprayspheres and performance desired, Sprayspheres-Type SC/SP/SG/SS are typically used at 0.5- 2% in the final product.

Shelf life :

3 years from the date of manufacturing.

Umang Pharmatech Pvt. Ltd.