

Technical Data Sheet

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Sprayspheres SE can be used as exfoliant and at the same time for visual effects in facial cleansers, body scrubs, foot scrubs, gels, emulsions, soaps etc. The beads are hard, remain suspended in formulations and work as a skin abrasive when rubbed on the skin. They have a long shelf life without any added preservatives.

PRODUCT INFORMATION:-

Product Name: SPRAYSPHERE SE (SE-WH-RC-4005-VS)		
	Ingredients	CAS NO
Ingredient Declaration :	<ul style="list-style-type: none">• Microcrystalline Cellulose• Oryza sativa (Rice) powder	9004-34-6 68553-81-1
Country of origin : India		

ANALYTICAL INFORMATION:-

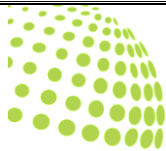
Test	Specification
Appearance	Free flowing ,White colored spheres
Solubility	Practically Insoluble In Water.
Loss on drying	Not more than 8.0%.
Particle size	NLT 80% should pass through 30# & NMT 20% should pass through 50#.
pH (1.0 % slurry)	Between 5.0 – 8.0
Bulk density	Not Lower Than 0.6 gm/Cc.
Leaching Test	Stable at : pH 3.0 pH 5.5 pH 8.0

GENERAL INFORMATION:-

1.	Properties	Sprayspheres SE beads are hard with exfoliating properties. They do not become soft when incorporated in aqueous or oil based cosmetic vehicles. The beads retain their shape and scrub away the surface layer of dead skin acting as a body scrub and cleanser. Sprayspheres SE are stable over a wide range of pH 5.0 to 8.0, are safe and non-toxic.
2.	Application	These beads can be used as an exfoliant and also to provide visual effects in facial cleansers, scrubs, gels, emulsions, soaps etc.
3.	Composition	Sprayspheres SE contain Microcrystalline cellulose, Oryza sativa (Rice) powder

Umang Pharmatech Pvt. Ltd.

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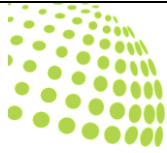
4.	Manufacturing and Quality Control	The entire manufacturing operations are carried out using equipment's in hygienic clean facilities to ensure high quality of final product. The quality of the products is always assured by the specifically laid down quality control practices. The well-equipped analytical laboratory ensures the use of the prescribed quality material, and follows processes in place for final analysis of the product.
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HANDLING & PROCESSING INFORMATION:-

1.	Handling	Any mechanical influences on the beads should be avoided during manufacturing and filling processes. High shearing like homogenization, which is a common process for emulsifying cosmetic formulations, will destroy the spheres. The beads should be only be added at the very end of the manufacturing process with slow and gentle stirring.
2.	Stability	Due to the inert ingredients used for manufacturing, the spheres are very stable at temperatures up to 25°C, pH-range 5 to 8. The individual stability data for Sprayspheres are available upon request. Stability studies have been carried out in different medias, the pH range stated and at two different temperatures.
3.	Addition procedure	Addition will be at room temperature (25°C) at the end of the process with gentle, low speed stirring until homogenous distribution is obtained.
4.	Use Level	Depending on particle size and performance desired, Sprayspheres are typically used between 0.5- 2 % in the final product.
5.	Storage	Store in a tightly closed container in dry place at temperature of 25°C.
6.	Safety	The product is safe and non-toxic for its intended use. Avoid inhalation of dust of product or contact with eyes, mouth or nose by taking suitable preventive measures. Also refer to Material Safety Data Sheet.
7.	Shelf life	3 years from the date of manufacturing.

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DISCLAIMER:-

Sample formulations are provided for your evaluation, but Umang Pharmatech Pvt. Ltd. does not warrant their merchantability, fitness for use, stability, performance or freedom from patent infringement. They have not been subjected to extensive testing. It is your responsibility to thoroughly test any formulations before use. All warranties, indemnities or liabilities implied or expressed by law are hereby excluded by Umang Pharmatech Pvt. Ltd. to the fullest extent permitted by law.

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