



IntegriEXFOLIANT SP (mild scrubbing agents)

INCI Name: Sodium Polyacrylate

Product Description:

IntegriEXFOLIANT SP is a polymer developed for the cosmetic and personal care industry. It is a superabsorbant in microbead form used in a wide range of applications.

IntegriEXFOLIANT SP has mild scrubbing and exfoliating properties. With a massage it leaves the skin pleasant and smooth. This exfoliant is for regular use and for all skin types.

Product Characteristics:

IntegriEXFOLIANT SP is produced by a new microbead technology. Particles are spherical and they have a homogeneous size distribution.

Appearance	White bead
Average Particle Size	300 µm
Absorption (deionized water)	170 g/g
pH of absorbed water	Neutral
Specific Weight	1.1 g/cm ³
Apparent Specific Weight	0.80
Shelf Life	24 months

Cosmetic Properties

Owing to their specific structure, swollen particles of **IntegriEXFOLIANT SP** lose their shape during application on the skin surface. They have both scrubbing and exfoliating properties. After rinse off, the skin is soft and smooth.

Those mild exfoliating agents are based on non-abrasive particles that limit skin flushing and stabbing.



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FORMULATION

Concentration use:

IntegriEXFOLIANT SP concentration use depends on:

- Required cosmetic effect
- Application zone
- Skin characteristics
- Other ingredients: **IntegriEXFOLIANT SP** can be combined with other exfoliating, scrubbing agents (solid particles or chemical agents) with a synergistic effect. The mildness of this polymer softens their side effects.
- It also helps the formulation of scrubbing products for sensitive skin

IntegriEXFOLIANT SP is used at low concentrations (as low as 0.2%)

Manufacturing procedure:

IntegriEXFOLIANT SP is easy to use. It is added under stirring in the aqueous phase, which already contains the water soluble ingredients of the formulation.

It is used in a wide range of cosmetic formulations: gels, cream-like-gels, emulsions, toiletries...

Final pH of formulation can be from 3 to 8

Products formulated with

IntegriEXFOLIANT SP are very easy to rinse.

Additional property:

Superabsorbant polymers are also known as heat insulators. This property could be interesting for products such as facial masks or body packing, for example.

Using **IntegriEXFOLIANT SP** in such formulations could optimize the efficiency of active ingredients which effects are related to temperature.

Toxicological Data

Eye irritation potential (10% solution): non irritant

Skin Tolerance (10% dilution): non irritant

Skin irritation potential (5% solution): non irritant

Storage

IntegriEXFOLIANT SP should be stored at a temperature between 0°C and 35°C in original packaging.

Packaging

25 kg bag

Integrity Ingredients Corporation * P.O. Box 5040 * Playa del Rey, CA 90296
Phone (310)782-0282 * Fax (310)782-0283 * email info@integrityingredientscorp.com
www.integrityingredientscorp.com

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