

FORMULATION OF SUGAR EXFOLIATORS FOR FACE PACK



EXFOLIATORS: Natural Exfoliating agents are used to remove dead cells from the surface of skin and improve blood circulation, giving renewed and glowing skin. It keeps face free from dirt, collected sebaceous secretions also improves the skin appearance Exfoliators removes dull flaky skin, evens skin tone and diminishes the look of fine lines to reveal radiance. Natural exfoliation spheres gently exfoliate and deep clean skin while protecting and nourishing it at the same.

Umang Pharmatech manufactures Sprayspheres SE® beads containing natural products specially used for exfoliation.

EXFOLIATION BENEFITS:

- Removal of dead skin cells
- Smoother, firmer skin
- Even-toned complexion
- Refined pores
- Reduces fine wrinkles, hyperpigmentation and scars
- Stimulates blood flow
- Allows for better absorption of moisturizers and serums.

SUGAR:

Sugar is a building blocks of carbohydrates and it is naturally found in various food such as fruit, milk, vegetables and grain. Sugar is disaccharide, composed of two monosaccharide molecule that is glucose and fructose. Sugar is natural source of glycolic acid. It is a natural humectant.

INCI NAME :

Sucrose (Sugar)

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance - Free Flowing White color spheres

Solubility - Practically insoluble in water

Bulk Density - NLT 0.6 gm/cc

pH Value (1.0% Slurry) - 5.0 to 8.0

Loss on drying - NMT 8.0%

KEY PROPERTIES OF SUGAR EXFOLIATORS:

- Does not disappear on gentle rub
- Preservative Free.
- Non GMO
- Provides Soft to mild Exfoliation
- Composition has GRAs status.
- Only approved synthetic & natural colors used
- Provide visual effects
- It is natural, non-toxic, non-comedogenic and non-allergenic properties and also biodegradable.
- Soft but effective abrasive,exfoliate naturally restore skin's beauty.

EFFECT OF SUGAR EXFOLIATORS IN FACE

PACK:



Sugar exfoliators make the face smooth and healthy. It helps to fight skin aging in a natural way. Sugar contains minerals that protect the skin from the toxins. Sugar Exfoliator removes the dead skin cell from face and makes it brighter. It also removes the dirt, impurities and excess oil from the face.

DOSAGE: 0.5 % to 2% for visual effect and up to 10 % for colour or active delivery.

STORAGE: Temperature between 5 and 25° C.

FORMULATION PROCEDURE:

Pre-Mix 1: Meter out water and start heating. Sprinkle in Carbopol and mix until all lumps are dispersed.

Pre-Mix 2: Dissolve preservative in propylene Glycol and add to Mix.

Stage A: Complete stage A by adding Magnesium sulphate to mix.

Stage B: Melt the oils and waxes of stage B and mix, bring to temperature.

With the Silverson running slowly add the hot oils to the hot Aqueous Phase, mix briefly then add the Triethanolamine which will thicken the product. Start cooling with mixing, before the product gets too thick add the Sugar exfoliator and mix until dispersed, add the perfume and mix briefly. (Silverson mixing after addition of sugar exfoliator should be avoided).

FORMULATION TIP

FACE PACK

Ingredients	Qty (wt %)
Pre-Mix 1 Water; Pure Carbopol 940	72.050 0.200
Pre-Mix 2 Propylene Glycol USP Preservative as required	6.000 0.300
Stage A: Magnesium Sulphate	0.100
Stage B: Light Mineral Oil GMS s/e Stearic Acid-Triple Pressed Almond Oil USP, Sweet Peach Kernel Oil	8.000 4.000 3.000 1.100 1.100
Stage C: Triethanolamine 99%	0.900
Stage D: Sugar exfoliator	0.5-2
Cooling Cycle: Fragrance	0.250

PARTICLE SIZES OF EXFOLIATOR BEADS

XS = Extra Small = 0.2 mm

VVS = Very Very Small = 0.2 - 0.3 mm

VS = Very Small = 0.3 - 0.6 mm

S = Small = 0.6 - 0.8 mm

M = Medium = 0.8 - 1.4 mm

L = Large = 1.4 - 2.0 mm

XL = Extra Large = 2 - 5 mm

KEY WORDS: Exfoliator Beads, Scrub Beads, Natural Exfoliators, Cosmetic Beads for aesthetic effect, peel off, flake off, shed off, scrap, eliminate.