

## FORMULATION OF OATS EXFOLIATORS FOR FACE PACK



**EXFOLIATORS:** Exfoliation is a natural process of healthy skin, where the body sheds dead skin cells, allowing brand-new, fresh skin to be revealed beneath.

Natural Exfoliating agents are used to remove dead cells present on the skin and boost blood circulation, giving renewed and glowing skin. It keeps skin free from dirt, grime, accumulated sebaceous secretions and oils which are also beneficial in keeping the skin pores clean.

Natural exfoliation spheres gently exfoliates and deep cleans the skin while protecting and nourishing it at the same time.

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

**KEY WORDS:** Exfoliate, peel off ,flake off ,throw out, shed off ,scrap, eliminate ,rub ,  
Exfoliators beads , Scrub beads , Natural Exfoliators ,Cosmetic beads for aesthetic effect.

### **OATS EXFOLIATOR**

Oats exfoliator are enriched with Amino acids and Vitamin B they boost blood circulation, fights pigmentation and fades dark spots and removes the dirt and exfoliate the skin.

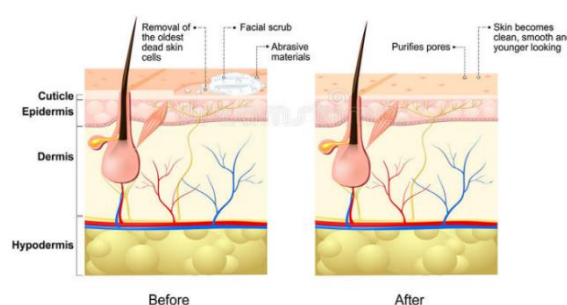
It has anti-inflammatory properties that absorb, remove oil and bacteria from skin. Oats Exfoliator helps in removal of the oldest dead skin cells on the skin's outermost surface, and gives you a fresh, glowing and youthful skin.

### **EXFOLIATION BENEFITS:**

- Removal of dead skin cells
- Smoother, firmer skin
- Even-toned complexion
- Refined pores

- Reduces fine wrinkles, hyperpigmentation and scars
- Stimulates blood flow

### **EFFECT OF OATS EXFOLIATOR IN FACE PACK**



Oats Exfoliator contain compounds called saponins, which are natural cleansers, that soaks up the excess oil on your skin ,unclog the pores . Oats Exfoliator in face pack reduces the

risk of blackheads and acne and regular use wards off the blackheads and acne .

### INCI NAME :

Avena Sativa (Oat) Kernel Extract

### PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** - Free flowing colors ranging from light yellow to golden colored 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 OATS 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.
- It is natural, non-toxic, non-comedogenic and non-allergenic properties and also biodegradable
- Soft but effective abrasive, exfoliates naturally restore skin's beauty

### 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.

**Stage C:** With the Silverson running slowly add the hot oils to the hot Aqueous Phase, mix briefly then add Triethanolamine which will thicken of the product .

**Stage D :** Start cooling with mixing, before the product gets too thick add the Oats exfoliators exfoliator and mix until dispersed, add the perfume and mix briefly. (Silverson mixing after addition of Oats exfoliator should be avoided).

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

**STORAGE:** Temperature between 5° C - 25° C

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