

## **FORMULATION OF OATS EXFOLIATORS FOR LIP SCRUB**

**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 effects .

### **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.



### **LIP EXFOLIATORS :**

Lip exfoliants, are tiny solid fragments which actually buff away dead and flaky skin. Exfoliating and cleansing lips keep your lips soft and retain its moisture keeping cracks in check and protect from environmental

stressors leaving lips supper soft and plumped.

Natural Lip Exfoliator naturally keeps your lips look glowing and hydrated as it effectively cleans, heals, moisturises and rejuvenates the skin.



### **INCI NAME:**

Avena Sativa (Oat) Kernel Extract

### **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance-** Free flowing brown 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 LIP 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

## MECHANISM OF LIP EXFOLIATORS:



Exfoliation relies on a simple technique of an abrasive ingredient as well as an oil or moisturizer to help the material run smoothly over your lips without being drying. Lip scrubs wash off chapped skin from lips stimulating the growth of fresh skin cells, making them soft, smooth by physically remove dead and flaky skin cells.

## FORMULATION PROCEDURE:

**Step I:** Premix components A and B and label as Phase A.

**Step II:** Premix components C and D,E and F and label as Phase B.

**Step III:** Premix components G (prepare the 100 ppm solution )and label as Phase C.

Add Phase B to Phase A with low speed stirring.

Add Phase C with continuous stirring, proper mixing until the formulation turns uniform.

**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	
LIP EXFOLIATION	
Ingredient	Qty (wt %)
<b>Phase A</b> 1.Lubrajel CG 2. Deionized water	50.00 46.72
<b>Phase B</b> 1 . Solimate "E" 2. Octyl Salicylate 3. Peppermint Oil USP 4. Spearmint Oil USP	2.50 0.50 0.05 0.05
<b>Phase C</b> 1.F.D & C Blue # 1 (100 ppm) 2.Oats Exfoliators	0.18 0.5-2%

## 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