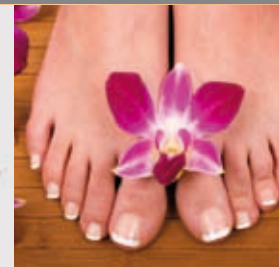
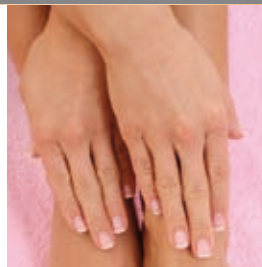


DuPont™ Gotalene®
Exfoliating Micropowders
FOR PERSONAL CARE



The ideal exfoliating solution
To express your creativity



The miracles of science™

The DuPont™ Gotalene® range of functional additives is based on pure high quality polymers, and has been specifically designed to offer mild, or medium, non-irritating, and very effective exfoliating properties. Gotalene® is available in a wide range of colors for personal care.

High Quality Ingredient

- **High quality** polymer
- **Melting Point** range: 100-140 (°C) / 210-280 (°F)
- **GMO free**, BSE free
- Contains no glycol ether, plant, or animal derivative origin substances

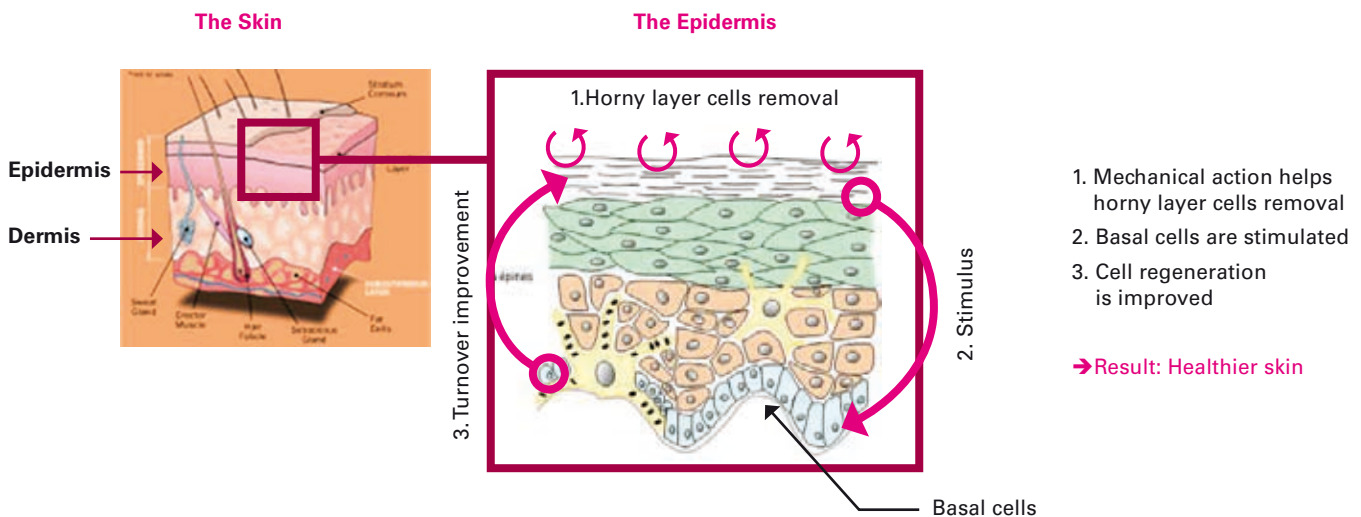
Advantages compared to natural powders

- **Gentle exfoliation** : Avoid microcuts that can occur with natural materials
- **Does not support microbiological growth**:
 - ➔ Does not contain any preservative
 - ➔ Does not require gamma ray treatment
- **Long shelf life** (5 years)
- **Constant quality** batch to batch

Many possible applications

- Exfoliating gels and creams for sensitive body parts
- Face scrub cleanser
- Toothpaste & Lip scrubs
- Hair care
- Body scrub, shower gels, creams & butters
- Hand soap cleanser
- Exfoliating foot care

Very efficient exfoliation = anti-aging benefit



Efficient and very well tolerated exfoliating effect

80% positive consumer feedback regarding exfoliating performance.

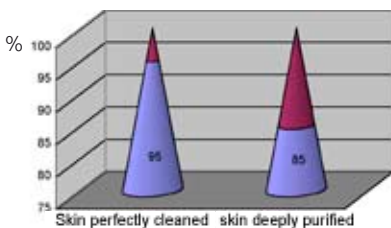


Fig.1 : Deep purification

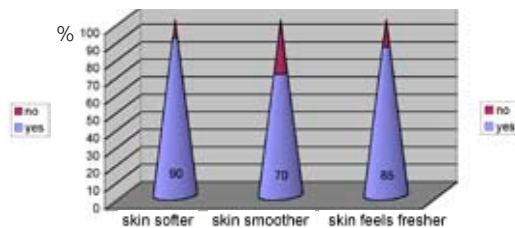


Fig.2 : Smoother, soft & regenerated skin surface

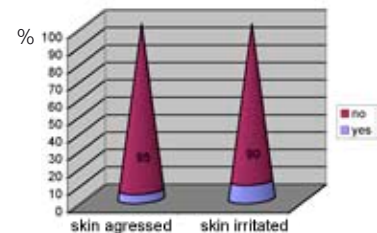
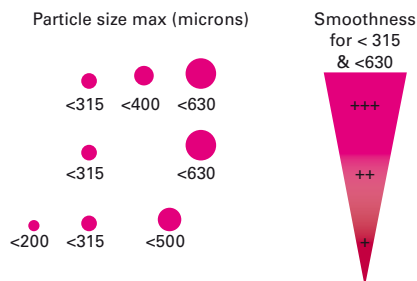


Fig.3 : Gentle cleaning ➔ without skin irritation

Controlled exfoliation with several particle sizes available

- Gotalene 135 series (LDPE, mild abrasive properties)
- Gotalene 120 series (LDPE, mild abrasive properties)
- Gotalene 204 series (HDPE, medium abrasive properties)



Easy to process / Formulation tips

Easy to process

• Cold processing

Gotalene® can be added at any time after the phase homogenisation

• Hot processing

Gotalene® is not sensitive to temperature (MP > 100°C – 210°F)

- Can be introduced before the formula has completely cooled down
- For melt & pour soaps, we recommend the 200 Series with a higher melting point (MP = 130°C – 260°F)

Easy to stabilize

- Recommended percentage of use : 3% - 10 %

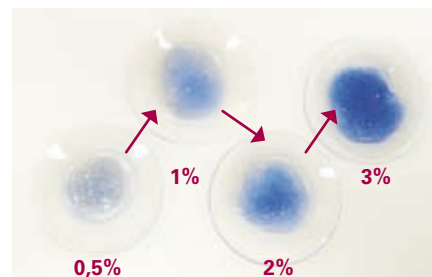
• Chemically inert

- According to **Stock's law**

→ Minimum **viscosity** should be 20,000 mPa. Raising the viscosity doesn't prevent but only slows separation

→ **Specific gravity** of the continuous phase should match to the particle size

- We recommend using a crosspolymer thickener such as carbomer, xanthan or other agent that creates polymeric links throughout the continuous phase



3% is the minimum percentage for an efficient scrubbing effect. If you use less colored particles, we advise to complete with colorless particles up to 3%.

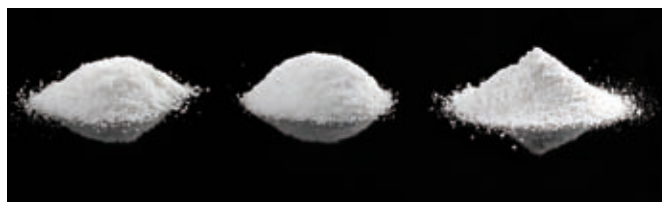
Express your creativity with 12 amazing colors

Create unique color and visual effects by playing with colors and composition



Regulatory information

- INCI name : POLYETHYLENE
- May contain pigments & dyes approved for all cosmetic application (Directive 76/768/EC : Colouring agent application field Annexe IV, column 1)
- CAS number : 9002-88-4
- Compliant with international legislation / regulations (US, EU, Japan)
- REACH status : pre-registered



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