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**FACT SHEET**  
**DECYL GLUCOSIDE**

**Description:** Decyl Glucoside is a non ionic surfactant, naturally derived from sugar.

**INCI Name:** Decyl Glucoside

**Use:** 10% - 20% (Face Wash) 15% - 30% (Shower Gel/Bath Foam/Shampoo). Maximum usage rate: 40%. Maintain pH of finished product between 3.0 and 5.0

**Properties:** Decyl Glucoside allows the combination of oils and additives. It can be used alongside other glucosides to enhance the foam and skin conditioning properties. Decyl glucoside can also be used in ionic formulations to add foam depth and emulsifying properties.

**Applications:** Shower gels, bath bubbles, shaving products.

**Sample Recipe:** *Sunshine Body Wash*

(11%) sodium cocoyl isethionate  
(3.6%) decyl glucoside  
(7%) glycerine  
(4%) d-panthenol  
(1.5%) fragrance or essential oil  
(1%) optiphen preservative  
(72%) hot water (80o – 90oC)

1. Place the sodium cocyl isenthionate, decyl glucoside and glycerine into a heat proof jug or bowl. Pour the hot water over the mixture and stir gently with a spoon squashing any clumps that form. Do not stir too vigorously otherwise you will produce too much foam.
2. Allow to cool to hand hot stirring every 2 minutes or so. Add the d-panthenol, preservative and essential oil and stir again to make sure everything is thoroughly incorporated.
3. Leave to cool for at least 5 hours, preferably in the fridge. During this time it will become opaque and thicken up a little.
4. Do not pour into bottles until the mixture is completely cool.

This sample recipe is provided as a guide. Gracefruit Limited makes no guarantees with regard to the outcome or effectiveness of any of our formulations. Gracefruit Limited accepts no responsibility for the mishandling or misuse of any of our products. It is the customer's responsibility to test compatibility before proceeding with manufacture using our raw materials and/or packaging materials. Gracefruit Limited cannot be held liable for products made using our formulas, raw materials, or packaging materials.

