

# MCG-60

multi-functional carbohydrate syrup from Hayashibara



for smooth texture and long lasting foam

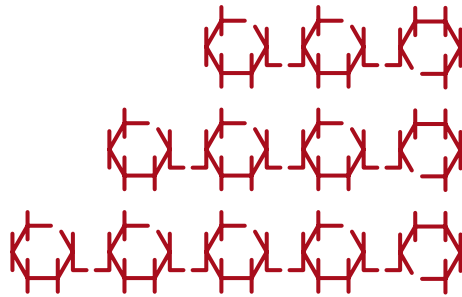


# MG-60

## MG-60 can be used for:

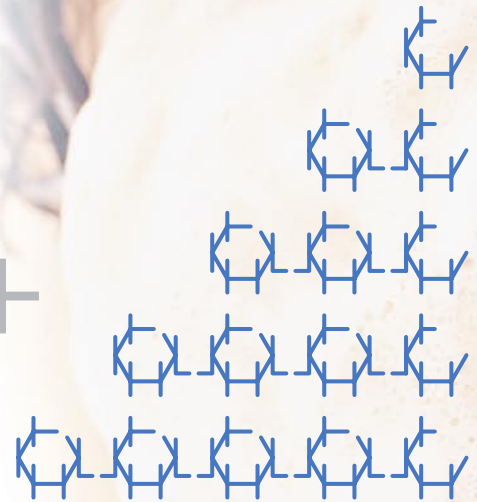
- **skin care**  
cell protection, moisture retention, excellent product texture, non skin irritation
- **hair care**  
protection from hair damage, foaming ability, texture
- **cleansing**  
foaming ability, texture, non assimilation

**MG-60 from Hayashibara** (Maltoligosyl Glucoside/Hydrogenated Starch Hydrolysate) is a starch derived carbohydrate syrup, comprising various kinds of saccharides, which provides additional benefits to hair care, skin care and cleansing products.



**maltoligosyl glucoside > 50%**  
**(maltotriosyl glucoside)**

+



**sugar alcohol**

## use as a non-irritant

MG-60 may be used as a non-irritant in products especially formulated for sensitive skin.

Furthermore it can even **reduce** irritancy or itchiness caused to sensitive skin by strong surfactants, such as those used in certain soaps.

### Protection against skin irritation by strong surfactant



**purified water (control)**



**10% SDS solution  
(rough skin inducer)**



**10% SDS solution  
containing 20% MG-60**

Patches containing each sample were applied on inside surface of human humerus for 2 hours. The surface images were recorded by digital HD microscope.

A close-up photograph of a person's face and hand. The hand is covered in thick, white soap suds, and the person's eyes are looking towards the camera. The background is bright and slightly blurred.

## for skin care: toners, creams

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### **Retention of skin suppleness**

MG-60 is ideally suited for providing retention of skin suppleness.

A combination of MG-60 and glycerine can be particularly helpful in optimising the hygroscopic balance of skin care products, with the glycerine helping to improve dry skin and the MG-60 helping to retain skin suppleness.

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### **Smoothness**

The addition of MG-60 greatly improves the texture and smoothness of skin care products, whether formulated in an emulsion or a lotion.

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## for hair care: shampoos, conditioners

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### **Improved body**

When used in hair care products, MG-60 can improve the texture and body of hair, making it feel more luxuriant.

The smooth coating provided by MG-60 helps prevent the “scratchy feeling” (due to high friction) that is associated with some shampoos after washing.

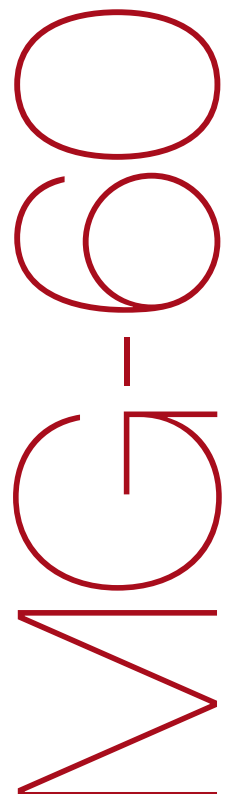
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## for cleansing: body soaps, shower gels, facial washes

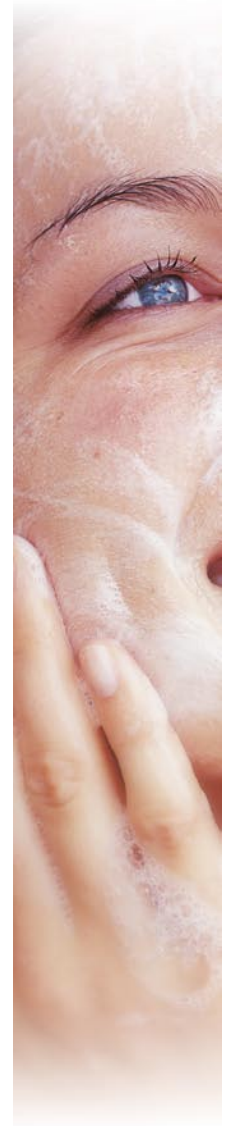
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### **Improved foaming and bubble retention**

When used in cleansing products, MG-60 readily lathers to create a fine and rich foam, which is retained for a prolonged period.

The logo for MG-60, consisting of the letters 'M', 'G', and '60' stacked vertically. The 'M' is at the bottom, 'G' is in the middle, and '60' is at the top. The letters are outlined in a dark red color.

MG-60





MG-60

**INCI name: Maltooligosyl  
Glucoside/Hydrogenated  
Starch Hydrolysate**

**MG-60** is manufactured by  
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