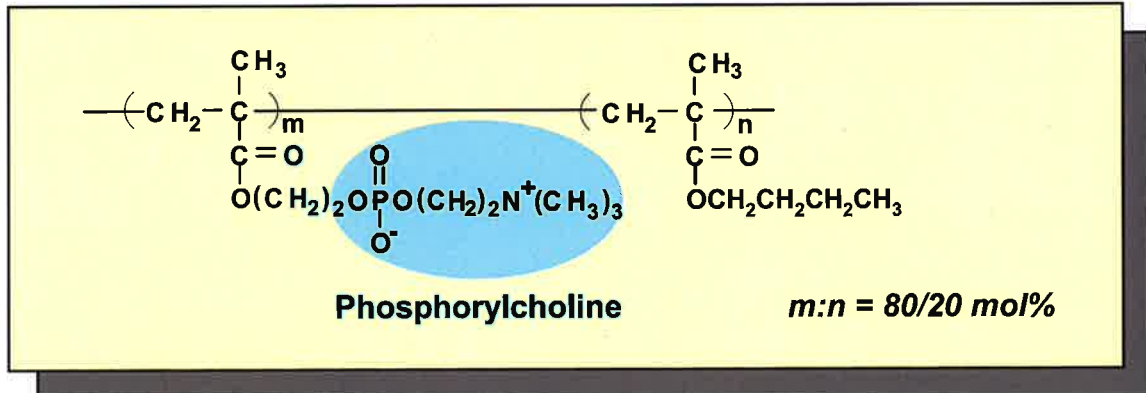


# LIPIDURE<sup>®</sup>-PMB

## Chemical Structure



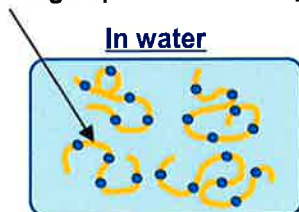
## Product line

Product	Composition	M.W.	JQD approval
Lipidure <sup>®</sup> -PMB	Polyquaternium-51 : 5% Water : Balance	600K	Approved
Lipidure <sup>®</sup> -PMB(Ph10)	Polyquaternium-51 : 5% Phenoxyethanol : 1% Water : Balance	600K	Approved (Pre-mix)

## Feature

Hydrophobic group

Phosphorylcholine



Random coil

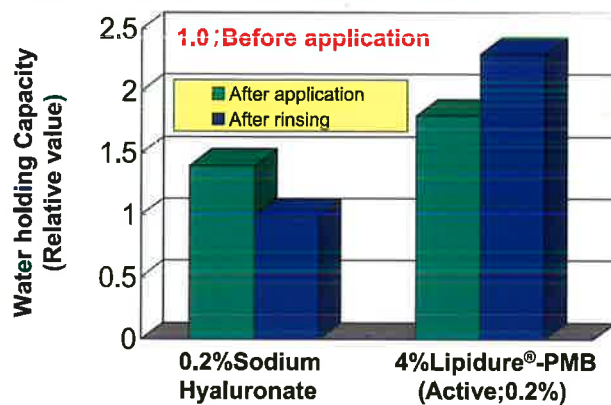


hydrogel film

- ✓ High water holding capacity
- ✓ Water proof property
- ✓ Improving rough skin
- ✓ Reduction of irritation from irritants

# Efficacy data

## ➤ Moisturizing efficacy



### Applied solution

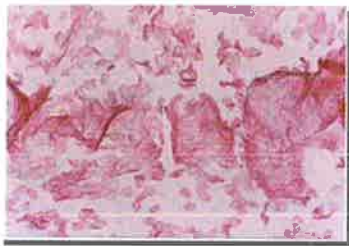
Lipidure-PMB ; 0.2% aq. (as active),  
Sodium hyalluronate ; 0.2% aq. (as active)

### Instrument

SKICON-200 (IBS)

**High moisturizing !**

## ➤ Restoration of rough skin



Before application



After application

### Applied sample

Cream containing 1% Lipidure-PMB (as active)

### Method

Applying the cream twice a day for 2 weeks.  
Stripping was conducted before and after application

**Rough skin restored !**

## ➤ Reduction of irritation



30% AHA aq. with 5%  
Lipidure-PMB (as active)

30% AHA aq.

### Applied solution

30% AHA aq.  
30% AHA with 5% Lipidure-PMB aq. (as active)

### Method

Applying patch containing each solution for 24 hours

Observation by visual

**Irritation suppressed !**

# Contact Information

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