

# Guide for Cosmetic Brands

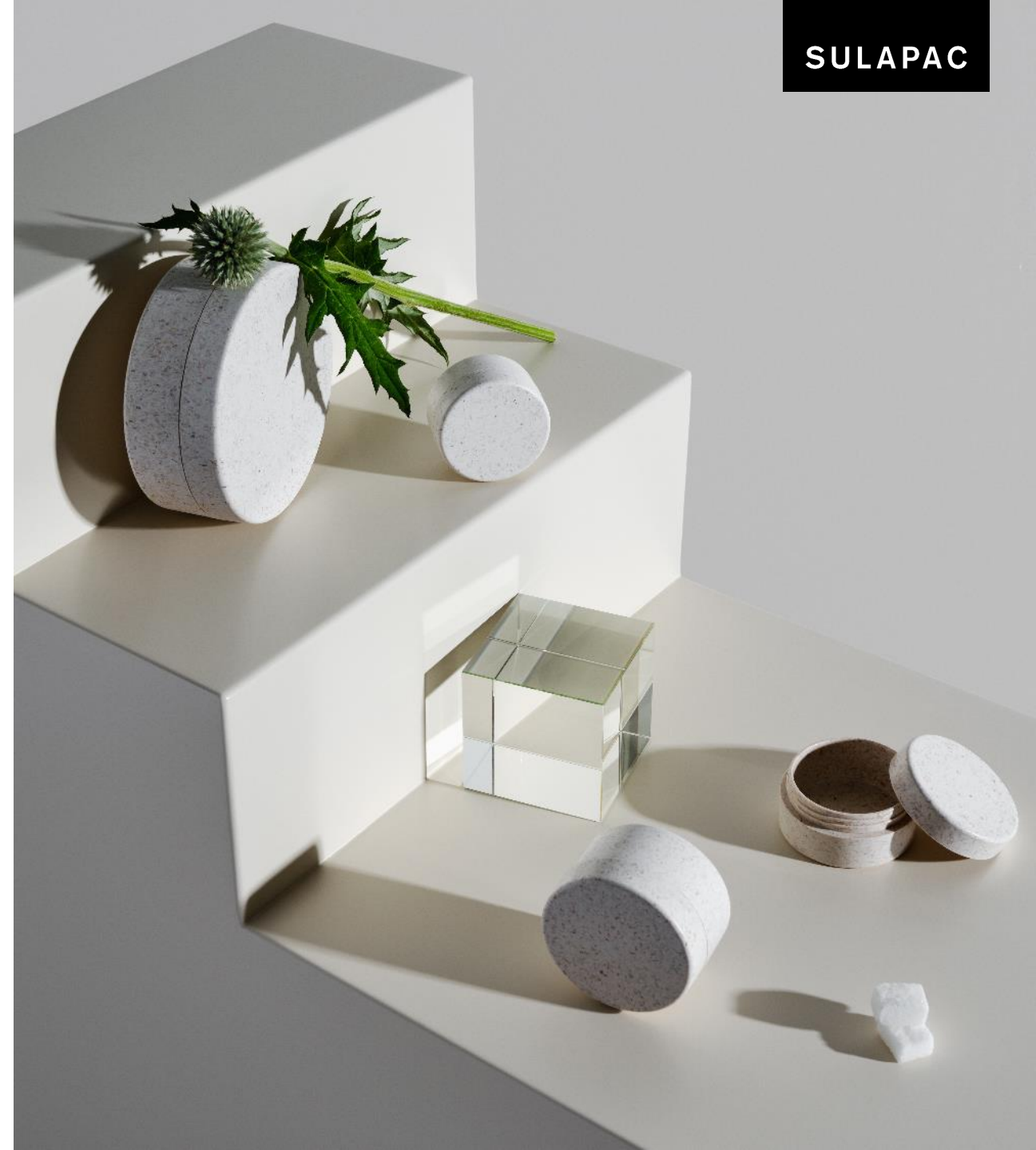


**SULAPAC**



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- Sulapac Antonella collection by HK Cosmetic Packaging
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- Testing guidance
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- Recycling / Compostability
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# PREMIUM & UNIVERSAL MATERIALS FOR OIL-BASED FORMULATIONS

**Great fit for:**  
Anhydrous bulks  
Solid formulations





# SULAPAC BARRIER FOR EMULSIONS

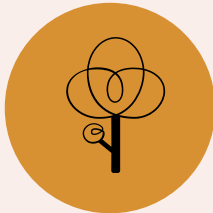
## NEW SULAPAC BARRIER

Unique, patent pending solution

**Great fit for:**  
Anhydrous bulks  
Solid formulations  
Emulsions



# SULAPAC BARRIER – PATENT PENDING INNOVATION



Bio-based



No permanent  
microplastics



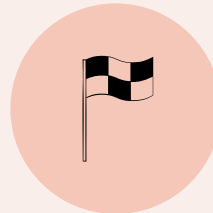
Excellent  
barrier  
properties



Non-GMO



Low  
carbon  
footprint



Food  
contact  
approved  
material

SULAPAC BARRIER MEETS THE  
ACCEPTABLE WEIGHT LOSS CRITERIA  
FOR EMULSIONS

< 3%

	Sulapac Barrier	Conventional Plastic (PP)
Water barrier (WVTR)	0.01	0.01
Oxygen barrier (OTR)	2.3	35-377*

WVTR g/(m2\*24h), OTR cm3/(m2\*24h)  
\*Based on literature

# SULAPAC NORDIC COLLECTION BY QUADPACK



	15 ml	30 ml	50 ml Double-wall with Sulapac Barrier	200 ml Single-wall
	Ø 47 mm h: 27 mm	Ø 55 mm h: 29 mm	Ø 60 mm h: 38 mm	Ø 82 mm h: 70 mm
Anhydrous bulks	✓		✓	✓
Solid formulations	✓		✓	✓
Emulsions	x		✓	x
Sulapac Premium	✓		✓	x
Sulapac Universal	✓		✓	✓
Liner / Gasket options	Sulapac for anhydrous products		PE for emulsions and Sulapac for anhydrous products	Sulapac for anhydrous products

# SULAPAC ANTONELLA COLLECTION BY HK COSMETIC PACKAGING



	50 ml	65 ml	100 ml
	Ø 59 mm h: 42.2 mm	Ø 59 mm h: 42.2 mm	Ø 68.5 mm h: 50 mm
Anhydrous bulks	✓	✓	✓
Solid formulations	✓	✓	✓
Emulsions	✓	✓	✓
Sulapac Premium	x	x	x
Sulapac Universal	✓	✓	✓
Liner / Gasket options	PE-liner	PE-liner	PE-liner

# SULAPAC FOR COSMETICS BY NISSHA



	9ml	7ml	133ml	200ml
	Ø 40 mm h: 23,5 mm	Ø 30,6 mm h: 24,7 mm	Ø 66,2 mm h: 55,5 mm	Ø 73 mm h: 76,1 mm
Anhydrous bulks	✓			
Solid formulations	✓			
Emulsions	x			
Sulapac Premium	✓ (only bottom)	x		✓
Sulapac Universal	✓	✓		✓
Liner / Gasket options	Sulapac for anhydrous products			



# COMPACTS BY TOLY



	Infinity 31 mm	Infinity 59 mm
	Ø 42,20 mm h: 8,20 mm	Ø 72,00 mm h: 10,90/17,70 mm
Godet recess	Ø 31,00 mm h: 4,50 mm	Ø 59,37 mm h: 6,95 mm
Sulapac Premium	x	x
Sulapac Universal	✓	✓
Mirror	x	✓
Applicator	x	6 mm sponge

Sulapac materials are currently being promoted using Toly's Infinity Stock Line, but Sulapac material is also available in several other stock lines of Toly. More information available on request.

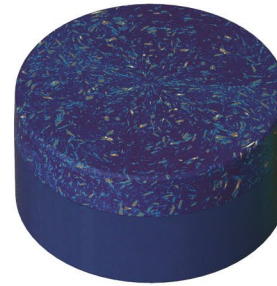
# Sulapac® Colour Masterbatches for Premium & Universal

Premium



Universal

*Sweet Blueberry*



*Hearty Pine*



*Wild Cloudberry*



*First Snow*



*Warm Granite*



*Natural Wood*



*Cherry Blossom*



*Blooming Blackberry*



*Summer Strawberry*



The ultimate appearance of the color depends on the material recipe it is applied to.  
Lids: Sulapac® Premium Bottoms: Sulapac® Universal

# RECOMMENDED COMPATIBILITY TESTING CONDITIONS

## Sulapac packaging Stability with Cosmetic Bulk

Conventional plastic is traditionally tested with high temperature and humidity. These conditions within certain parameters will initiate the biodegradation process for Sulapac material. This page defines recommended parameters how the tests should be conducted.

The compatibility test of Sulapac materials and cosmetic bulk is recommended in following conditions:

- 40°C (104°F), RH 40-50%, 12 weeks

These test conditions simulate the shelf life of 1 year for Sulapac materials.

Please note, that the changes in the cosmetic bulk may be caused by high ambient temperatures and not necessarily by the jar or barrier materials. The cosmetic bulk should not be exposed to temperature above 45°C.

Recommended max. temperature for temporarily filling 70°C (158°F) 70°C (158°F).

In case disinfection is required, the products can be sprayed with a 70% ethanol solution. The products should be allowed to dry properly before filling.

## General Testing Recommendations

Practice-relevant testing is recommended according to what purpose the end-product is made for and its properties or regulatory requirements.

In general, Sulapac materials are not applicable for use and testing at temperatures above 45°C.

Results are based on accredited laboratory and in-house testing.

Please keep in mind that the material is designed to be biodegradable in industrial compost, where the biodegradation is extremely fast and according to standard. The conditions in industrial composting are above 50°C and 60%+ relative humidity to initiate fast biodegradation process according to standard.

If you have question and/or need assistance in test design, please contact us.

Alterations to recipes to suit your application may be done in joint development projects.

**Ask for more detailed information and technical support directly from your Sulapac Account Manager.**

# STORAGE AND TRANSPORTATION INFO

**Recommended storage and transportation conditions for Sulapac packaging:**

Low relative humidity (under 50% RH), not exposed to extreme temperatures or direct sunlight, best in dry conditions and room temperature (22-25°C max. 45°C or 68-77°F max. 113°F).

		Relative humidity, rH				
		10%	35%	50%	75%	98%
Temp.	-10°C	3+ y	3+ y	N.A.	N.A.	N.A.
	20...25°C <sup>b</sup>	3+ y	3+ y	3 y	18 mo	-a
	40...45°C	2 y	2 y	1 y	72 h	-

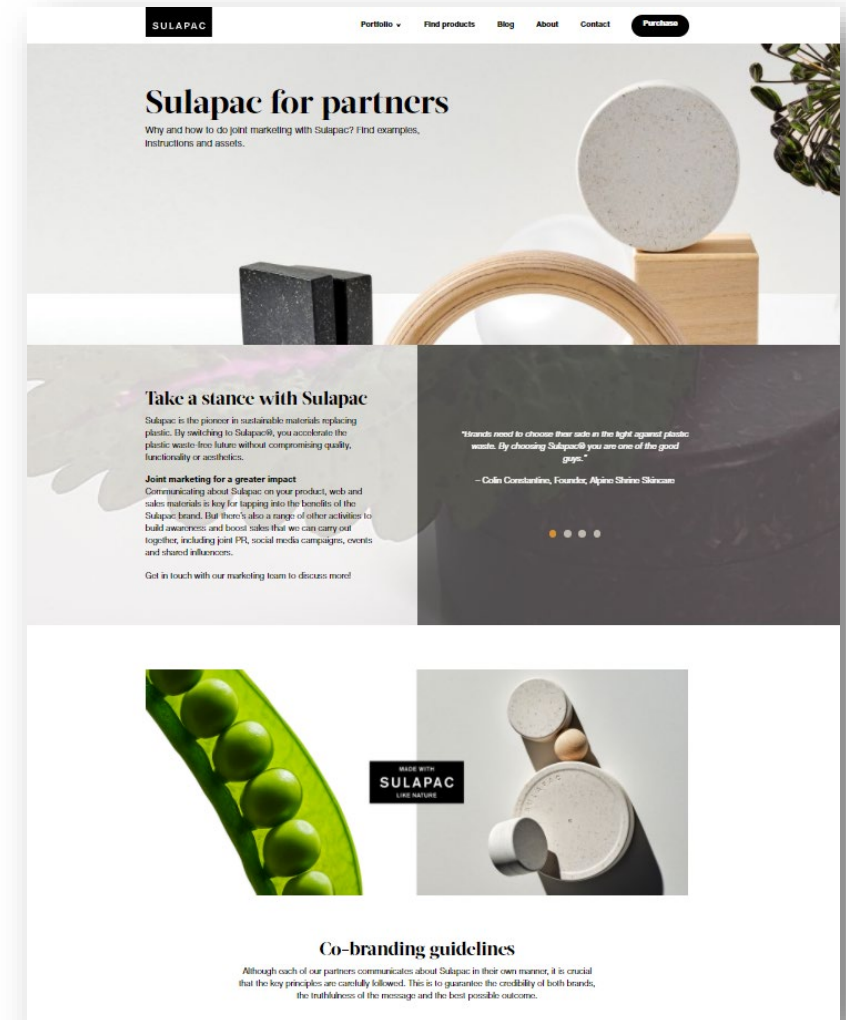
<sup>a</sup> Degradation begins, <sup>b</sup> Room temperature, Please note that the recommended temperatures are estimates.

# CONSUMER COMMUNICATION

Communicating about Sulapac on your product, web and sales materials is key for tapping into the benefits of the Sulapac brand. In addition, we provide a range of activities that enhance brand awareness and accelerate sales.

Although each of our partners communicates about Sulapac in their own manner, it is crucial that the key principles are carefully followed. This is to guarantee the credibility of both brands, the truthfulness of the message and the best possible outcome.

<https://www.sulapac.com/for-partners>






# CONSUMER COMMUNICATION AND PACKAGING LABELING FOR COSMETICS


## Consumer communication


- Like nature
- Bio-based
- Not leaving permanent microplastics behind

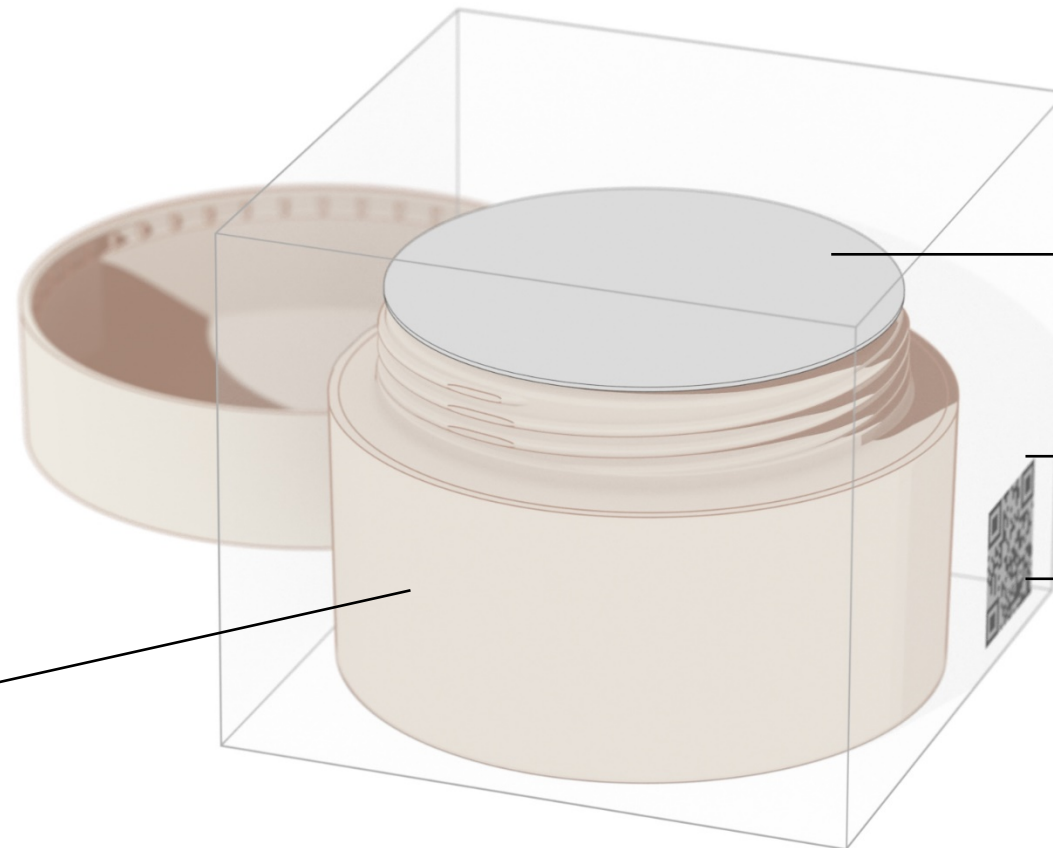
## Recycling instructions

**SULAPAC** LIKE NATURE.

 We take it back

 Industrially compostable\*

 Plastic Recycling



Please put the PE-liner inside the lid to its own recycling stream. Sulapac liner can be recycled via industrial composting.\*

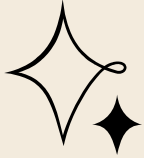
Please put cardboard to cardboard recycling

QR code directs customer to read more about the packaging

\*Check your local instructions

\*Sulapac material specific. Each product needs to be tested separately.

# SULAPAC FOR COSMETICS - KEY FEATURES



## UNIQUE LOOK AND FEEL

Beautiful natural appearance based on unique combination of raw materials.



## BIO-BASED

Main components are wood and plant-based binders. The renewable material content in standard Sulapac Universal and Premium grades is 100%.



## NO PERMANENT MICROPLASTICS

Circulates back to natural components – just like tree leaves. Can be digested by naturally occurring microorganisms.



## SUSTAINABLY SOURCED

Made of responsibly sourced sustainable raw materials including wood from industrial side streams.<sup>3</sup>



## INDUSTRIALLY COMPOSTABLE

Industrially compostable based on raw materials.



## SAFE FOR PEOPLE AND PLANET

The material is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

1. USDA BioPreferred certified. 2. Made of wood chips and biodegradable biopolymers. 3. Our wood originates from certified forests. We always follow our strict Policy for Sustainable Sourcing. 4. The guidelines for sorting and collection of biowaste may differ regionally. Please check the details from your municipality or local waste management authority. 5. The material is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Ecotoxicity and threshold values for heavy metals tested. All Sulapac materials are in compliance with EU food contact legislation.

# Summary



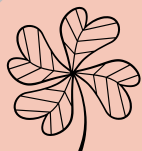
## Beautiful

Material that wows customers



## Functional

No compromises



## Sustainable

Throughout the value chain



Accelerating the plastic waste-free future  
with materials that are SUSTAINABLE,  
BEAUTIFUL and FUNCTIONAL. *Like  
nature.*

SULAPAC

APAC



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