

Ice Bath Cryotherapy Gel

No time to take an ICE BATH after your workout?

Need a nice cooling, moisturizing and pain-relief solution? This gel is made for you,

USE IT where you pushed the limits and you'll be ready for the next workout in no time.

- › **DOWSIL™ EL-7040 Hydro Elastomer Blend:** silicone elastomer which can incorporate a high amount of water, showing fresh, silky and smooth feel benefits. Compatible with a large variety of cosmetic oils (UV filters, esters, vegetable oils).
- › **ACULYN™ 28 Polymer:** anionic associative rheology modifier, hydrophobically modified, liquid polymer, cold processable. Imparts watery and memory shape texture with quick break and fresh effect. Effective at pH 5.5-10.
- › **Methylal Pure Grade Desodorised:** very volatile acetal commonly used for fast drying and to obtain a finer mist. Also helps bring a refreshing sensation on the skin. Improves solubilization into water based solutions.
- › **DOWSIL™ 3901 Liquid Satin Blend:** intense lubricity, luxurious satin-like feel, perceived moisturization and smoothness, unique rheology and playful stringiness.
- › **DOWSIL™ 2501 Cosmetic Wax:** copolymer of glycol and silicone dispersible in water with low melting point (36-42°C). Tackiness reduction and moisturizer.

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Trade name	INCI name	Function	Supplier	%
Phase A				
	Water (Aqua)	Solvent	Univar*	Q.S: 73.59
Meritol® 160	Sorbitol	Refreshing effect, humectant	Tereos / Univar*	2.0
ACULYN™ 28 Polymer	Acrylates/Beheneth-25 Methacrylate Copolymer	Rheology modifier	Dow / Univar*	4.2
Phase B				
DOWSIL™ 2501 Cosmetic Wax	Bis-PEG-18 Methyl Ether Dimethyl Silane	Tackiness reducer and moisturizer	Dow / Univar*	3.0
Phase C				
TRIS AMINO™ ULTRA PC	Tromethamine	Multifunctional additive – pH neutralizer	ANGUS® / Univar*	2.17
Phase D				
36021 Edicol Brilliant Blue FCF (10% solution in water)	CI 42090	Dye	Univar Colour*	0.02
36012 Edicol Quinoline Yellow (10% solution in water)	CI 47005	Dye	Univar Colour*	0.02
Phase E				
DOWSIL™ EL-7040 Hydro Elastomer Blend	Caprylyl Methicone (and) PEG-12 Dimethicone/ PPG-20 Crosspolymer	Sensory enhancer	Dow / Univar*	7.0
DOWSIL™ 3901 Liquid Satin Blend	Dimethicone/Vinyl Dimethicone Crosspolymer (and) Dimethicone	Sensory enhancer	Dow / Univar*	1.0
Phase F				
Kem Plus 2	Phenoxyethanol, Iodopropynyl Butylcarbamate	Preservative	Akema / Univar*	1.0
Phase G				
Methylal Pure Grade Desodorised	Methylal	Fresh effect, solubilizer	Lambiotte / Univar*	5.0
	L-Menthol	Fresh effect, pain-relief	Hughes & Company	1.0

Procedure (Warm process)

1. In a separate vessel, mix and heat phase B at 40°C until completely melted
2. Incorporate phase B to phase A and mix until homogenous
3. Adjust pH between 6.5 and 7.5 with phase C
4. Add phase D to phase ABC and mix until homogenous
5. Add phase E to phase ABCD in the order listed while mixing until homogenous
6. Add phase F to phase ABCDE and mix until uniform
7. Separately, combine ingredients of phase G until completely dissolved.
8. Once homogenous, add phase G to phase ABCDEF

Stability

Stable at least 2 months at RT, 4°C and 40°C (still ongoing).

Comments

- pH = 6.81
- Viscosity (spindle 6; 10 rpm, 1 min) = 65,100 cPs (65.1%)
- Application: Apply it on your body and feel the pleasant sensation on your skin.
- Icy blue gel with fresh effect
- Formula inspired from our partner Dow “Cool Dive 01903”

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* Please contact your regional Univar sales representative to ensure that mentioned products are distributed in your country.

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