



American International Chemical, Inc.

Corporate Offices: (800) 238-0001

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SPECIFICATION SHEET

Squalene (Olifeel® SQ)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
OSQBIL	3380	111-02-4	November 4, 2011	SJW	Original	MPR

EINECS No.: 203-826-1	INCI Name: Squalene
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CHARACTERISTICS:	Clear yellow liquid with light olive odor
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SPECIFICATIONS:	Acid value (mg KOH/g)	0-2
	Iodine number (g I ₂ /100g)	350-390
	Refractive index (20°C)	1.49- 1.498
	Saponification value (mg KOH/g)	5.0 max
	Specific gravity (g/mL @20°C)	0.850- 0.870
	Squalene content (GC % min)	90 min
	Unsaponifiable content (% min)	96 min

PACKAGING:	10 kg drum
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APPLICATIONS:	Natural emollient and moisturizer that's absorbed deep into the skin that imparts to the skin suppleness without leaving an oily, greasy feel. Ideal for use in skin creams, skin lotions, cleansers, moisturizers, bath oils, hair products, eye makeup, lipstick, sunscreen products, nail products, makeups, and foundations. Olifeel ® SQ helps to accelerate pigment dispersion in lipsticks, producing a high gloss. Olifeel ® SQ helps to fade fine lines and wrinkles and can be used in anti-aging products.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Preferably store under nitrogen. Keep in a dry and cool place, protected from light and heat sources. Shelf life is 2 years.
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OTHER:

Due to its anti-oxidant properties, Olifeel ® SQ is able to prevent free radical damage from UV rays and other ionizing radiation. Free radical damage causes skin surface lipid peroxidation which results in the breakdown of collagen and elastin. Olifeel ® SQ helps to improve skin texture and keeps the skin soft by enhancing the NMF (Natural Moisturizing Factor). Olifeel ® SQ has a 96% purity level, highest in the market from a vegetable source and is stable against degradation and coloring. Together with Biophil Corporation and the IASMA Research and Innovation Centre (Edmund Mach Foundation), Brasca Corporation has developed a test method called IRMS (Relative Mass Isotope Ratio Fourier Transformed Infra-Red) to detect the presence of animal squalene in vegetable squalene. Brasca Corporation has also developed a second test method called Stazione Sperimentale Olii e Grassi, using internal markers approach, as a quick routine test with combined standard techniques for Quality Control.