

Technical Data Sheet

CIRASHINE 2039 CANDELILLA WAX

INCI Name:

Candelilla Wax

CAS Number:

8006-44-8

EINECS Number:

232-347-0

FDA Approvals:

21 CFR 184

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CIRASHINE is a registered trademark of Petroferm Inc.

Product Description and Applications

CIRASHINE 2039 is a natural ingredient for the personal care and pharmaceutical industries. CIRASHINE 2039 is obtained from the shrub *Euphorbia Cerifera*, which grows in Mexico and southern Texas. CIRASHINE 2039 is well suited to the preparation of wax products, where the resistance to heat and higher melting points are desired. CIRASHINE 2039 blends easily with fatty acids and other waxes.

Chemical Composition

Hydrocarbons	50 - 65 %
Esters	20 - 21 %
Hydroxylated Esters	6.0 - 8.0 %
Free Acids	7.0 - 10 %
Sterols	7.0 - 8.0 %
Resins	5.0 - 6.0 %

Carbon Distribution

COMPONENT	% WEIGHT	CHEMICAL NATURE
Acids	8	C30 - C34
Alcohols	10	C20 - C32
Esters	30	C42 - C64
Hydrocarbons	50	C31
Resin	2	

Chemical Properties

Melt Point, °C	68 - 73
Saponification Value, mg KOH / g	43 - 65
Acid Value, mg KOH / g	12 - 22
Flash Point, °C	241
Ester Value, mg KOH / g	31 - 43

Applications

CIRASHINE 2039 is compatible with most natural and synthetic waxes, oils, and resins. CIRASHINE 2039 may be used in Personal Care, Pharmaceutical, Food, and Industrial applications.

Storage and Handling

CIRASHINE 2039 should be stored in closed, factory sealed containers at temperatures between 50°F (10°C) and 120°F (49°C). Product has a shelf life of five years.

Please refer to the Material Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

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