

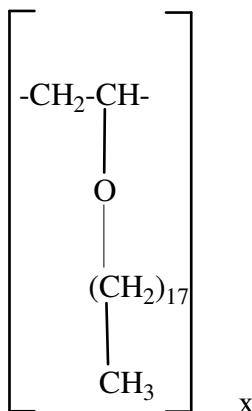
GIOVAREZ[®] 1800

(INCI: Polyvinyl Stearyl Ether)

GIOVAREZ[®] 1800 is the homopolymer of octadecyl vinyl ether. It is a 100% active, water insoluble, waxy, nonionic resin. When cast on a glass plate from a molten state, it forms a continuous, glossy, somewhat soft film. Since it melts at about 45°C, it can easily be incorporated into waxes where it can be utilized as a melting point depressant. **GIOVAREZ[®] 1800** can impart transfer resistance and water proofing to cosmetic products and increase volume in hair products.

GIOVAREZ[®] 1800 is designed to enhance the color of pigmented cosmetics. It's use is clearly indicated in lipstick where it provides gloss and in mascara for volumizing and water resistance. Other uses are indicated in pencils and stick products. A general use level of 2-10% is recommended.

GIOVAREZ[®] 1800 can be structurally described as



Trade Name	GIOVAREZ 1800
INCI	Polyvinyl Stearyl Ether
CAS #	9003-96-7
EINECS	Polymer Exempt

TENTATIVE SPECIFICATIONS

Appearance @ 25 °C	Off- white solid
Non-Volatiles	99.5% Min
Melting Point	42° - 48°C

SOLUBILITY

Castor Oil	d
Ethanol	i
Volatile Silicone	m(w)
Mineral Oil	m(w)
Propylene Glycol	i
Isopropyl Myristate	m(w)
Water	i
Isododecane	m

m	=	Miscible (soluble in all proportions)
w	=	Warm (50 °C)
d	=	Dispersible
i	=	Insoluble

SAFETY

*An RIPT study (50 human subjects) when tested under occlusion, concludes GIOVAREZ® 1800 to be:	
* Skin Irritation	NON-IRRITATING
* Skin Sensitization	NON-SENSITIZING
^ Mutagenicity	NON-MUTAGENIC
• Ocular Irritation- Practically no ocular irritation potential in vivo when tested on a 100% basis (HET-CAM study).	
GIOVAREZ 1800 can be considered for use in Hypoallergenic products.	

* Studies conducted by AMA Labs., 216 Congers Rd., New City, NY 10956.

^ Studies conducted by Litron Labs., 1351 Mt. Hope Ave., Suite 207, Rochester, NY 14620.

• Studies conducted by Consumer Product Testing, 70 New Dutch Lane, Fairfield, NJ.

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8/26/08
10/04/06
08/20/03