

## GIOVAREZ<sup>®</sup> AC-5099M

(INCI: Isododecane (and) Acrylates Copolymer)

**GIOVAREZ<sup>®</sup> AC-5099M** is a 50% solution of an acrylic polymer (Cyclo Alkyl Methacrylate Copolymer) in Isododecane. It is a clear, almost water-white liquid, which dries to a glossy, continuous, hard, water-insoluble film. When formulated into cosmetic products, the polymer film becomes more flexible due to oils and esters present in the formulated product which act as plasticizers for the acrylic film.

**GIOVAREZ<sup>®</sup> AC-5099M** can be diluted and extended with esters such as **PELEMOL<sup>®</sup> IPM** ( Isopropyl Myristate ), **PELEMOL<sup>®</sup> 899** (Ethylhexyl Isononanoate and Isononyl Isononanoate), **PELEMOL IN2** ( Isononyl Isononanoate ) and **PELEMOL PTO** ( Pentaerythrityl Tetraethylhexanoate).

Trade Name	<b>GIOVAREZ<sup>®</sup> AC-5099M</b>
INCI	Isododecane (and )Acrylates Copolymer
CAS #	25035-69-2, 247035-50-3
EINECS#	Polymer Exempt
Japanese Ingredient Code	Polymer Exempt

### APPLICATIONS

The use of **GIOVAREZ<sup>™</sup> AC-5099M** is strongly indicated in:

- Mascara
- Eye Liner Pencils
- Barrier Creams
- Lipstick
- Make-up
- Coating and Fillers

### SPECIFICATIONS

Color, Gardner	3 maximum
Non-volatiles %	49.0 ± 2
Viscosity	16,000 cp maximum
Shelf Life	1 year



# PHOENIX CHEMICAL, INC.

60 FOURTH STREET • SOMERVILLE, NJ 08876

TEL(908) 707-0232 • FAX: (908) 707-0186

www.phoenix-chem.com

## SOLUBILITY

Castor Oil	i
Ethanol	i
Isododecane	m
Mineral Oil	m
Propylene Glycol	d
Isopropyl Myristate	m
Water	i
Cyclomethicone	i
Dimethicone	i
Butyl Acetate	m
Isononyl Isononanoate	m
Pentaerythrityl Tetraethylhexanoate	m

m = Miscible (soluble in all proportions)  
d = Dispersible    i = Insoluble

## SAFETY

Toxicity studies have shown **GIOVAREZ™ AC-5099M** to be extremely safe; results are summarized below:

* Primary Eye Irritation	NON IRRITATING
* Primary Skin Irritation	NON-PRIMARY IRRITANT
* Acute Oral Toxicity	ORALLY NON-TOXIC

\* Studies conducted by AMA Labs., 216 Congers Rd. New City, NY 10956 on May 20, 1996.