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A			NOMENCLATURE	
A	1		Trade Name	POLIGLICOLEUM
A	2		Vevy codex	02.1150
A	4		Registrations	
A	4	1	INCI Name	Ricinoleth-40
A	4	2	CAS No	/
A	4	3	EINECS No	/
A	4	5	FDA CRMCS No	R-0013122*
A	6		Total Quality Assurance	DCG [Dermo&Cosmetic Grade]. [see last page]
A	7		REACH position	In compliance

B			USE	
B	1		Use levels	1% - 3%
B	2		Applications	Cosmetic preparations. It decreases viscosity in gels
B	3		Properties	Solubilizer of essential oils and fragrances as well as many other compounds. Comparison tests show that it is simultaneously efficacious and absolutely inoffensive to the most delicate olfactory sense. As it is completely saturated, it does not become rancid; however, it is liquid and easy to disperse

C			IDENTIFICATION	
C	1		Analytical data	
C	1	1	Appearance	Viscous liquid
C	1	2	Odour	Characteristic
C	1	3	Colour	Clear yellow
C	1	5	Density	[20 °C]: 0.993 – 1.010 [Method: Densimeter]
C	1	6	Solubility	Water
C	1	9	Cloud point	< 15 °C [Method: UNI 20027 / NOM 91-88]
C	1	14	Acid value	0.00 – 2.50 [Method: NGD C10- 1976]
C	1	19	Titre	> 95% [Method: UV in comparison with the analytical standard]
C	1	24	Preservatives	None
C	2		Microbiology	
C	2	1	Total microbial count	0-50 CFU/g
C	2	2	Pathogens	None

D			STANDARD CHARTS	
D	2		IR	See page 4

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E		STORAGE	
E	1	Industrial packing	Kg 25 - 50 - 200
E	2	Storage conditions	Store in the original sealed containers in a clean, dark, cool place. Once the container is opened take care to prevent secondary microbial contamination and/or chemical side reaction. As such and as possible products of degradation, it is not included in the list of prohibited or liable to restricted utilization substances (in accordance with EU Regulation CE 1223/2009). When heated up to 183°C, it does not cause reactions liable for producing harmful effects in any way to persons and equipment (in accordance with Italian Ministry of Labour circular letter No 84, dated 21 October 1976)

H		REFERENCES	
H	1	Remarks	Changes in the supplied data and information may occur at any time due to updated scientific research and in compliance with Italian, EU and USA laws. The information contained in this data sheet, although valuable for qualified technicians, should not be construed as suggestions for indiscriminate use. We make no warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of this information for their particular use
H	2	Bibliography	<ol style="list-style-type: none"> 1. "Solubilizzazione di composizioni profumate e corpi odorosi chimicamente definiti in ambiente acquoso o idroalcolico con l'impiego di un poliglicole ricinoleico saturo liquido". Relata Technica 1977, 10/11:10-1. 2. "Solubilization of perfumed compositions and fragrant substances chemically defined in an aqueous or hydroalcoholic environment with the use of a liquid saturated ricinoleic polyglycol". Relata Technica 1977, 10/11:1-6. 3. "Fundamental discoveries for dermopharmaceutical and cosmetic technology" Relata Technica 1980, 25:1-5. 4. "Conquiste fondamentali per la tecnica dermofarmaceutica e cosmetica". Relata Technica 1980, 25:23-26. 5. "Diversificazione per gli shampoo" Relata Technica 1983, 37:27-30. 6. "Diversifications of shampoos" Relata Technica 1983, 37:27-30. 7. "Problemi del capello e soluzioni cosmetiche razionali". Lexicon Vevy Europe 104-108. 8. "European ingredients for topical use". Lexicon Vevy Europe 1990, 4:77-79. 9. "News and views. Italian version". Lexicon Vevy Europe 1991, 4:106-107. 10. "News and views. English version". Lexicon Vevy Europe 1991, 4:144-145. 11. "News and views. French version". Lexicon Vevy Europe 1992, 2:46-47. 12. "The tools for la Nouvelle Cosmetique" Lexicon Vevy Europe 1993, 4:34..

- * "The FDA Cosmetic Raw Material Composition Statement number is assigned for raw material identification purposes only and does not in any way denote approval of the firm or the raw material by the Food and Drug Administration." (see 21 CFR 720.9 b)

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The DCG® trademark (Dermo Cosmetic Grade) identifies the highly specialized products of Vevy Europe Fine Chemical division and certifies that each product is:

- Designed and developed for cutaneous application;
- Tested according to rigorous toxicological, cryptotoxicological, enzyme-kinetic and dermatological activity protocols, and consequently, does not interfere with the biochemistry of the cutaneous apparatus;
- Up-dated on the basis of scientific progress;
- Compliant with national and international regulations.

These premises lead to the development of projects and products, regardless of

their source, that are characterized by:

- Safety (absence of harmful effects);
- Effectiveness (compliance with the promised and expected requirements);
- Stability (persistence of the stated characteristics).

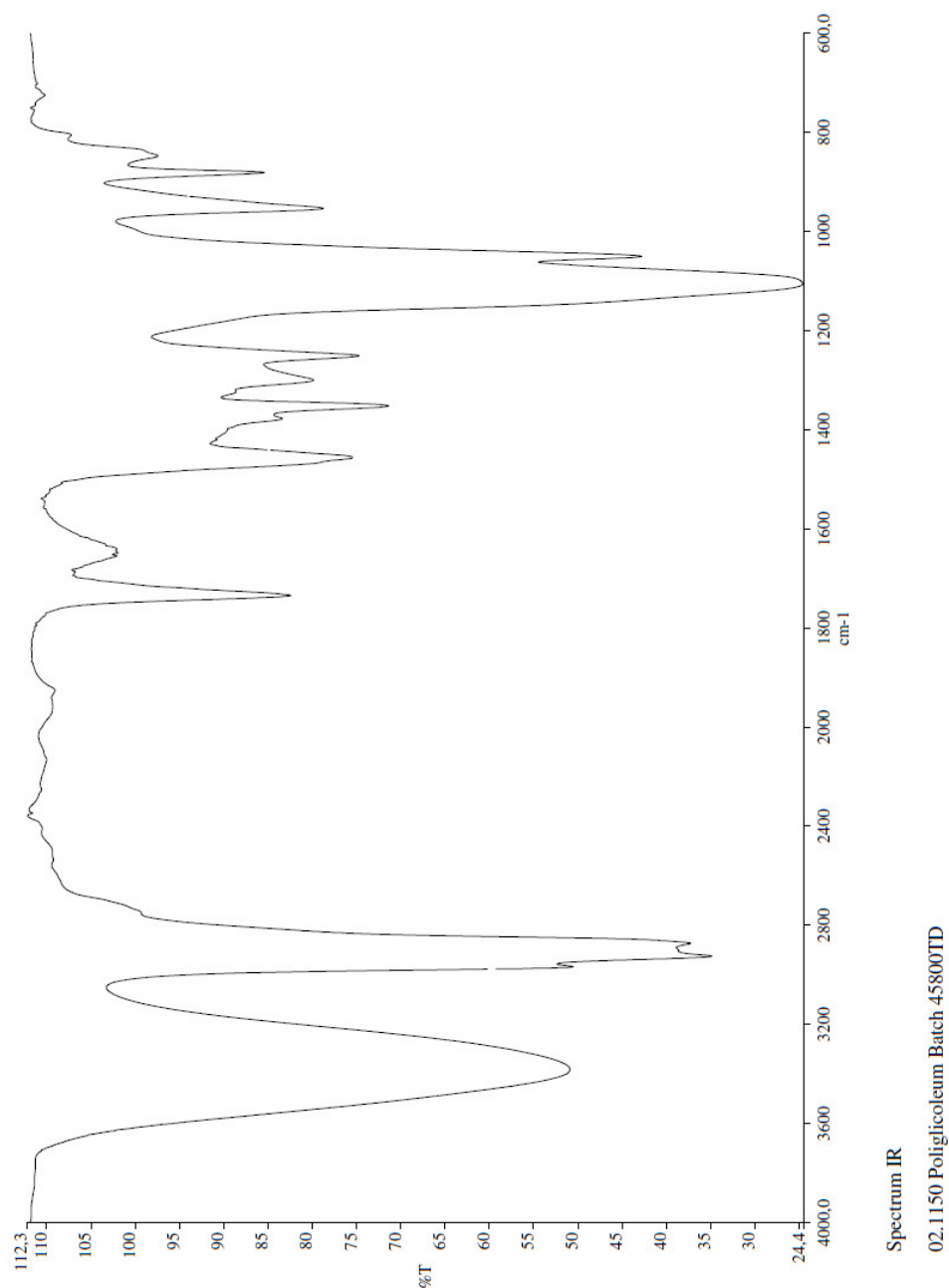
Each ingredient is presented in a wrapping of specialized services, which range from its scientific and technical documentation to the specific and qualified support for its proper use.

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