



ZENIGLOSS Q

Zenigloss Q is a new quaternary compound based on polymerized USP quality castor oil. Its cationic nature makes it ideal for hair conditioners. It performs very effectively on damaged hair. It is a superb detangler. This polymer is extremely mild and could be used in skin care and body washes. It is superb in Nail Care: Removers and Polish. **It is 100% active!**

CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE:

Amber liquid – ZAM-18

FOREIGN MATTER:

Absence – ZAM-29

MELTING POINT:

n/a – ZAM-59

ODOR:

Typical – ZAM 16

COLOR

10 MAX – ZAM 02

MOLECULAR WEIGHT:

4800

ACID VALUE:

32 MAX – ZAM 26

REFRACTIVE INDEX:

1.478-1.479

GLOBAL DESIGNATIONS

INCI NAME:

Polyquaternium 57

EINECS: Polymer Exempted

CAS # 341536-97-7

Japan Approved

Patented

CHEMICAL STRUCTURE

A condensation polymer of:
Castor oil, Succinic acid
Isostearic acid and
Castor quat

COMPATIBILITY AND SOLUBILITY

SOLVENT 90%		ZENIGLOSS Q 10%
	50°C	Room Temp.
Water	Insoluble	Insoluble
Glycerine 96%	Insoluble	Insoluble
Propylene glycol	Insoluble	Insoluble
Mineral oil	Insoluble	Insoluble
Isopropyl myristate	Insoluble	Insoluble
Cyclomethicone	Insoluble	Insoluble
Octyl palmitate	Insoluble	Insoluble
Safflower oil	Insoluble	Insoluble
Ethanol (95%)	Insoluble	Insoluble
Ethyl Acetate (95%)	Mostly soluble	Mostly soluble
Acetone (95%)	Soluble	Soluble

PERSONAL CARE APPLICATIONS

HAIR CARE: Conditioners, Leave in conditioners, shampoos, Detanglers, Gloss sprays, rinses, baby shampoos.

SKIN CARE: Moisturizing creams

SUN CARE: Sunscreen lotions

NAIL CARE: Polish, Removers

USE Levels 0.5-4.0%

PACKAGING

PAIL 16 kilos

DRUM 100 kilos

SHELF LIFE

36 months in unopened containers.

Toxicological Data

Available.

We do not test on animals!

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