



Technical Data Sheet

ZENOLATUM

Zenolatum is gelled oil that can be used both in anhydrous products and emulsions. **Zenolatum is a USP quality castor oil of vegetable origin that is an alternative to petrolatum.** It is a good pigment wetter and also increases viscosity to maintain pigment suspension. is particularly useful in lip glosses due to the excellent tack and ability to create a soft product with good high temperature stability. By gelling the oil phase, we improve high temperature stability in all anhydrous systems and can be used as an oil phase thickener and stabilizer in water in oil emulsions. **Zenolatum** has excellent compatibility with waxes. In oil/water emulsion skin care applications provides cushion and a pleasant emollient after feel to products for normal to dry and dry skin. **Zenolatum has excellent TEWL properties.**

CHEMICAL STRUCTURE:

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

CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE:

Solid Paste – ZAM-18

MELT POINT

58c-68c ZAM-59

COLOR:

8 MAX – ZAM 02

ACID VALUE:

32 MAX – ZAM 26

COMPATIBILITY AND SOLUBILITY

| SOLVENT 90% | ZENOLATUM 10% | |
|---------------------|---------------|-------------|
| | 50° C | 20 C. |
| Water | insoluble | insoluble |
| Glycerine 96% | insoluble | insoluble |
| Propylene glycol | insoluble | insoluble |
| Mineral oil | dispersible | dispersible |
| Isopropyl myristate | soluble | dispersible |
| Cyclomethicone | insoluble | insoluble |
| Octyl Palmitate | soluble | dispersible |
| Panalane L-14E | insoluble | dispersible |
| Safflower oil | soluble | dispersible |
| Castor Oil | compatible | compatible |
| Ethanol | dispersible | dispersible |
| Dimethicone 200-100 | insoluble | insoluble |

GLOBAL DESIGNATIONS

INC I NAME Castor Isostearate Succinate,
Hydrogenated Castor Oil
EINECS Polymer exempted
CAS # 321573-76-6
CAS # 8001-78-3
Japan: Permitted
Patented
Canadian DSL Listed

PERSONAL CARE APPLICATIONS

Color Care: Lipsticks Lip Balms,
Gloss sticks and pots
Skin Care: Moisturizers, Skin
creams.
Sun Care: Sun screens after sun
lotions
Hair Care: Pomades, Styling
products
USE LEVEL 2.0-25.0%

PACKAGING

PAIL 16 kilos
DRUM 100 kilos
SHELF LIFE
36 months in unopened
containers
Toxicological tests available
We do not test on animals!
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