



ICC PEG-7

Chemical Name: PEG-7 GLYCERYL COCOATE**Grade:** Chemical**CAS name:** PEG-7 glyceryl monococoate

Non-ionic, ethoxylated polyethylene glycol ester made from glycerin & coconut oil. Clear oily liquid, characteristic odor. Soluble in water & alcohols, insoluble in oils. HLB value 11 (gives oil-in-water emulsions). Multifunctional agent with excellent emulsifying, emollient, refatting & thickening properties, also useful as surfactant & foam booster, good conditioning effect for soft & smooth skin.

Application

PEG-7 Glyceryl Cocoate finds application in various industries. It is used for wide range of application such as:

- In shampoos and personal cleaning products products as a conditioner and emollient
- As an emulsifier and solubiliser for essential oils.
- As a super-fatting agent in cosmetic products without lowering the foam.
- In bubble bath, bath soaps and skin care preparations.
- In baby shampoos and hair conditioners.
- In leather, textile and food industries.

Storage and Handling

Store in a clean, dry area. Keep drums tightly closed. Recommended storage temperature is 23-35 °C. In original, sealed containers and kept at suggested storage conditions, the product can be stored for at 1 year. Spills may be cleaned by flushing with sufficient amount of water. Avoid ingestion and direct inhalation. (where air concentration is high, appropriate mask is suggested) and also avoid contact with eyes, skin and clothing. In case of contact with eyes and skin, seek adequate and timely medical attention.

TEST	STANDARD TEST METHOD	STANDARD
Appearance at 20°C	—	Clear liquid
Color at 25°C, APHA	ASTM D-1209	Yellowish Oily liquid
pH (5% in water)	ASTM D-1172	4.5-7.5
Acid value (on 5.0 g)	AOCA TI 1a-64	5-7
Saponification value	ASTM D-5558	85-105
Water, percent	ASTM E-203	Max. 1
Hydroxy value, mg KOH/g	ASTM D-4252	170-210

Safety**Principal Routes of Exposure:**

Ingestion. Skin.

Acute potential Health Effect:**Skin Contact:**

May cause skin irritation.

Eye contact:

May cause eye irritation.

Inhalation:

May cause irritation of respiratory tract.

Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.