



HUGO NEW MATERIALS (WUXI) CO., LTD

Technical Data Sheet

NaturalAPG 0810

Chemical description

Aqueous solution of alkyl polyglucosides based on a natural fatty alcohol C8 - C10

Labeling information

INCI name: Decyl Glucoside

CAS-No.: 68515-73-1

Product properties

Appearance

Light yellow viscous liquid

Physical properties

Solid Content(%)	50min
Water (wt %)	50max
pH Value (20% aq.)	11.5-12.5
Free Alcohol (wt %)	1max
Sulfated Ash (wt %)	3max
Viscosity (mPa-s), 20°C	150-300
Density(g/cm ³),25°C	1.08-1.10

Product guidance

NATURALAPG 0810 is a very mild nonionic surfactant made from renewable vegetal raw materials, which is low toxic, no irritating and readily biodegradable. It's excellent performance including detergency, wetting, dispersing and compatibility, especially foaming property. It also exhibits excellent alkaline and electrolyte resistance and can solubilize other ingredients. It can be widely used in personal care and household cleaners: day cream, night cream, body cream & lotion, shampoo and hand cream, etc.

The pH could be determined in accordance with customers' needs.

Storage and transportation

NATURALAPG 0810 can be stored in sealed original containers protected from frost and below 43 °C for at least 1 year.

Maximum Storage Temperature - recommended maximum storage temperature of NATURALAPG 0810 is 43°C. When heating, avoid prolonged localized temperatures exceeding 43°C to avoid possible product discoloration. Use tempered water when possible.

Bulk storage material – Carbon steel should not be used to store or handle NATURALAPG 0810 due to probable contamination by iron. Recommended plastic drum or IBC made of high density polyethylene (HDPE) are both acceptable.