

APG 0810

C8–10 alkyl polyglucoside nonionic surfactant for wetting, detergency and emulsifying systems.

CAS No. 68515-73-1	EC / List No. 500-220-1	Transport Non-dangerous goods
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Product Information

APG 0810 is an aqueous alkyl polyglucoside surfactant based on short-chain C8–10 alkyl groups. It is also described as decyl octyl glycoside. This commercial material has a distribution of alkyl chains and glycoside oligomers; a single fixed molecular formula or molecular weight does not adequately represent the supplied mixture.

Specifications

Parameter	Specification
Appearance at 20°C	Colorless to pale yellow liquid
Color, Hazen	≤50
Solid content	50.0–52.0 %
Free fatty alcohol	≤1.0 %
Ash	≤3.0 %

Supply limits and packing are taken from the matching legacy ZXCHEM TDS. APG is an alkyl-chain/oligomer mixture; fixed-component formula and molecular weight from the old sheet are not used as a composition claim.

Typical Properties

Property	Typical Value
Alkyl Chain	C8–10
Surfactant Type	Nonionic

Applications

Liquid detergents and industrial cleaning: Nonionic surfactant for wetting, foaming and soil removal in compatible detergent systems. Adjust dosage for the supplied 50–52% solids and evaluate performance with the other surfactants.

Personal-care cleanser development: Foaming and cleansing ingredient for selected shampoo, body-wash and facial-cleanser formulations. Qualify the ordered material and assess irritation, preservation and finished-product requirements.

Oilfield wetting and emulsifying systems: Wetting and dispersion ingredient for selected drilling-fluid and emulsion formulations. Evaluate salinity, temperature, emulsion stability and foam control under the intended field conditions.

Packaging / Storage

Item	Information
Packing	220 kg drums / 1,100 kg IBC
Storage	Keep sealed in a clean, cool, ventilated place. Protect from contamination and unnecessary heating; keep separate from strong oxidizers and use suitable clean containers.
Shelf life	Two years in sealed original packaging.
Handling	Avoid splashes and aerosol formation. Wear chemical-resistant gloves and splash goggles; add face protection during open bulk transfer. Clean spills promptly because surfactant liquid creates slippery surfaces.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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