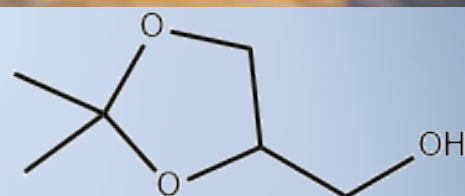




Benzene-Free



CAS:100-79-8

DDOM(ACM)

无苯丙酮缩甘油

2,2-Dimethyl-1,3-dioxolane-4-methanol

Benzene-free DDOM derived from a unique production process , Highlight applications in cosmetics, food, coatings, and cleaning products while stressing safety and eco-friendliness.

ODOWELL

DDOM brochure

Product Name : DDOM (ACM)

Chemical Name : 2,2-Dimethyl-1,3-dioxolane-4-methanol

CAS Number : 100-79-8

Molecular Formula : C₆H₁₂O₃

Appearance : Colorless transparent liquid, free of impurities.

Odor : Non

Product Overview

DDOM is a versatile, bio-based (50%-100%) solvent derived from glycerol and acetone. It offers a safer and more sustainable alternative to traditional petroleum-based solvents. It is a colorless, low-volatility liquid with excellent solvency for a wide range of substances.

Key Applications

Coatings and Inks: As a solvent and coalescent in paints, coatings, and printing inks.

Cleaning Products: As a component in industrial and household cleaners, degreasers, and surface preparation products.

Pharmaceuticals: As a solvent and intermediate in the synthesis of pharmaceuticals and fine chemicals.

Cosmetics: As a solvent and emollient in personal care products.

Chemical Synthesis: As a versatile building block in organic synthesis.

Uses

Solvent Substitute: Used in paints, inks, and leather processing agents as a substitute for ethylene glycol ether solvents.

Cleaning Agent: Employed in household and industrial cleaning agents, electronic chemicals, and non-foaming cleaning agents.

Other Applications: Acts as a solvent, co-solvent, and film-forming assistant in various chemical industries.

Recommended Usage Levels

Dependent on application, typically ranging from 1% to 50%.

Product Advantages

Efficient Solvent: Exhibits good solvency for a wide range of materials.

Versatility: Suitable for multiple chemical industry applications.

Environmental Friendliness: Bio-based and biodegradable.

Low Toxicity: Safer than many traditional solvents.

Excellent Stability: Chemically stable under a variety of conditions.

Market Applications

Paints and Inks: Used as a solvent and film-forming assistant.

Leather Treatment: Used in leather processing agents.

Cleaning Products: Used in various cleaning agents.

Pharmaceuticals: Solvent and intermediate in synthesis.

Cosmetics: Solvent and emollient in personal care products.

Technical Specifications

Purity: $\geq 99.00\%$

Water Content: $\leq 0.50\%$

Acid Value: ≤ 0.20 mg KOH/g

Boiling Point: 188-190°C

Flash Point: 82°C

Density: 1.06 g/mL at 20°C

Storage Conditions: Store in a well-ventilated, cool, dry place.

Shelf Life: 2 years

Packaging and Storage

Packaging: Available in 200 kg drums and 1000 kg IBCs.

Storage: Store in a cool, dry place, sealed and protected from direct sunlight and high temperatures.

Precautions

Avoid contact with skin and eyes. Use with adequate ventilation. Refer to the Safety Data Sheet (SDS) for complete safety information.