Specification Sheet

SOLKETAL

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

Product Overview

Solketal is a glycerol-derived cyclic ketal: a clear, colorless, low-odor liquid that is fully miscible with water and most organic solvents. Its high boiling point, low volatility and renewable glycerol origin make it a versatile oxygenated solvent and synthetic building block.

Product Identification

Synonyms: Isopropylidene glycerol; 1,2-O-Isopropylidene-rac-glycerol; Glycerol acetonide
CAS No.: 100-79-8
EC No.: 202-888-7

Applications

- Solvents: coatings, inks, adhesives, industrial cleaners
- Pharmaceuticals: intermediate, solubilizer, co-solvent
- Fine Chemicals: precursor for glycerides and glycerol derivatives
- Agrochemicals: formulation co-solvent
- Fragrance & Personal Care: carrier solvent
- Fuel Additives: gasoline and biodiesel oxygenate

Specifications & Physical Properties

Assay (GC), as Solketal: ≥99.0%
Water (Karl Fischer): ≤0.50%
Acid value: ≤0.10 mg KOH/g
Color (Pt-Co): ≤10 Hazen
Appearance: Clear, colorless liquid
Solubility in water: Completely miscible

Storage and Shelf Life

Store in tightly closed containers in a cool, dry, well-ventilated area, away from heat and ignition sources.
Hygroscopic: protect from moisture; nitrogen blanketing recommended.
Avoid strong acids and oxidizers.
Shelf life: 24 months in unopened containers.

Packaging

Available in 25 kg and 200 kg HDPE drums, or 1,000 kg IBCs.
Customized packaging may be available upon request.

Specification Sheet

SOLKETAL

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

REACH COMPLIANCE

Solketal (EC No. 202-888-7) is subject to the requirements of Regulation (EC) No. 1907/2006 (REACH) when placed on the EU/EEA market.

REACH registration and compliance obligations depend on the importing entity, annual tonnage and intended use.

Customers importing this product into the EU/EEA should ensure that the applicable REACH requirements are fulfilled prior to import.

REACH registration coverage can be confirmed separately for individual orders where required.

Disclaimer

The information provided is based on our current knowledge and is intended for general reference only.
Buyers are responsible for determining product suitability and complying with applicable regulations.
Buyers must also ensure that their use of the product does not infringe any third-party intellectual property rights.
Refer to the current Safety Data Sheet before handling or use.
© 2026 Palica Chemistry Co., Limited. All rights reserved.

PALICA CHEMISTRY CO., LIMITED
181 Taibai Road, Xi'an 710065, China
Email: info@palica.com.cn