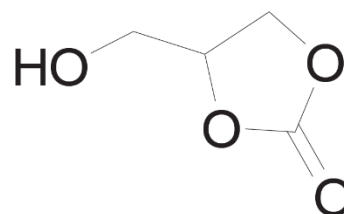


## DAXSOL Glycerol carbonate

**DAXSOL Glycerol carbonate** is a 76% USDA-certificated bio-based hydroxyl-functional carbonate that can be used in several applications as an active solvent, diluent and plasticizer, among others. Due to its dual functionality, UBE's **DAXSOL Glycerol carbonate** can also be used in cosmetic formulations, as well as synthetic intermediates for chain extensions and cross-linkage, including innovative uses as the reaction with amines to make urethane bonding and blocking agent for isocyanates.



### Physical Properties

Properties	Value
Boiling point	125-135 °C/0.1mmHg
Density at 20 °C	1.40 g/ml
Viscosity	25 cps/40 °C, 3cps/100 °C
Flash point	212 °C (open can)

### Alternative names

- Glycerol carbonate
- Glyceryl carbonate
- 4-Hydroxymethyl-1,3-dioxolane-2-one
- Glycerol cyclic 1,2-carbonate
- Glycerine carbonate

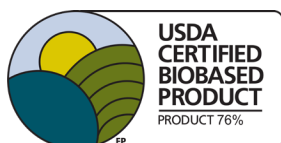
### Applications

#### Coatings, paints and adhesives

**DAXSOL Glycerol carbonate** can react with amines to produce urethane bonding, also block isocyanates in water-borne polyurethane dispersion for coatings, paints and adhesives. Further, **DAXSOL Glycerol carbonate** reduces the weight loss in cathodic electrocoatings and acts as an anti-crater agent.

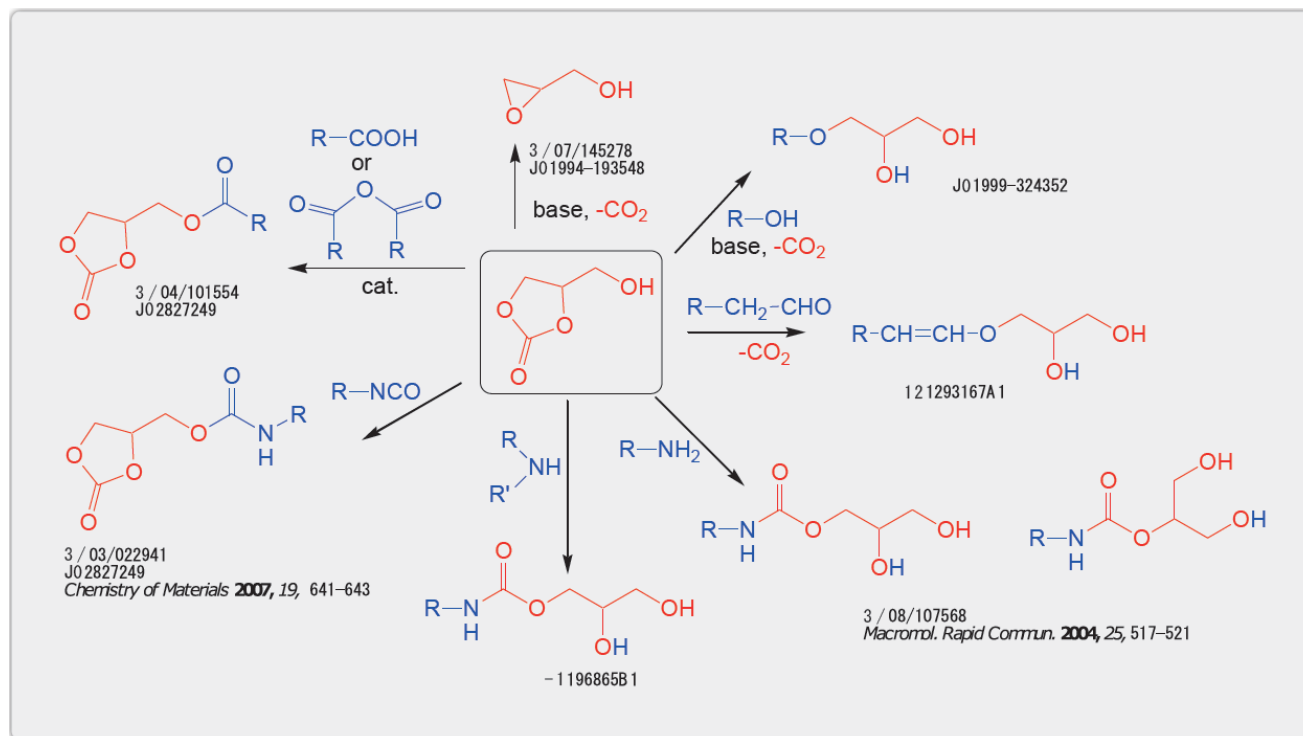
#### Solvent, diluent, plasticizer and compatibilizer

**DAXSOL Glycerol carbonate** offers excellent solvent properties. Thus, it may be used as solvent, diluent, plasticizer or compatibilizer for different systems of solvents in various applications.



## Synthetic intermediate

Due to its dual functionality, glycerol carbonate may also be used as synthetic intermediate, chain extender and crosslinkage.



## Electrolytes

**DAXSOL Glycerol carbonate** has ability as an electrolyte solvent and additive as other carbonates.

## Cosmetics, personal care and health care

Due to its feature such as moisture retention, low toxicity and low flammability, **DAXSOL Glycerol carbonate** finds use as cosmetics, personal care, and health care.

## Agriculture

Another potential application of **DAXSOL Glycerol carbonate** is a plant energizer in the agricultural field.

## Standard packaging of DAXSOL Glycerol carbonate

200 kg drums and 1250 kg IBCs. Available commercial samples in 1 kg and 12 kg cans.

## Health & environmental data

Please refer to the corresponding **DAXSOL Glycerol carbonate** MSDS.

### Disclaimer

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose.

Any descriptions, data, etc. given here in may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislations are observed.