

TECHNICAL DATA SHEET

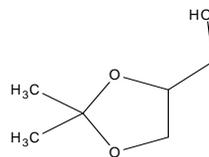
Augeo SL 191

September 2015

REFERENCE: UQP-2-SOL-FP-098 - Version: 05

IDENTIFICATION: CAS 100-79-8

SYNONYM: Di-Isopropylidene Glycerol; 2,2-Dimethyl-4-Hydroxymethyl-1,3-Dioxolane; 2,2-Dimethyl-1,3-Dioxolane-4-Methanol.

STRUCTURAL FORMULA:

MOLECULAR FORMULA: C₆H₁₂O₃
MOLECULAR WEIGHT: 132.16

SPECIFICATIONS:

DETERMINATION	LIMITS	RHODIA METHOD	REFERENCE
APPEARANCE	Clear Liquid	NA-0199	ASTM D-2090
*PURITY (% m/m)	Min. 99.50	NA-1759	RHODIA
DENSITY 20/20 °C	1.067 - 1.071	NA-0497	ASTM D-4052
COLOR (Pt-Co)	Max. 10.0	NA-1726	ASTM D-1209
ACIDITY AS ACETIC ACID (% m/m)	Max. 0.02%	NA-0433	ASTM D-1613
WATER (% m/m)	Max. 0.10%	NA-1760	ASTM D-1364

*Purity: Di-Isopropylidene Glycerol + Isomer (2,2-Dimethyl-5-Hydroxy-1,3-Dioxane; typical content: 1.4%)

GENERAL CHARACTERISTICS:

 The **Augeo SL 191** is a colorless and clear liquid, non-corrosive, low volatility and low toxicity, slight odor. It is miscible in common organic solvents and water.

MAIN APPLICATIONS:

 The **Augeo SL 191** presents low evaporation rate, applied in formulations of coatings in the industry of Paints and Varnishes, Thinners and Leather.

 The **Augeo SL 191** is a Ketal and presents good stability in neutral and alkaline pH, in aqueous and non-aqueous solutions at any temperature.

However, it cannot be manipulated in acid step of process in presence of water or in acidic aqueous formulations, because it can degrade under these conditions

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	COATIS	UQP-2-SOL-FP-098	05

PHYSICAL PROPERTIES:

• Boiling range, 760 mm Hg (°C)	183 - 191
• Liquid density, 20/20 °C	1.069
• Solubility (20 °C)	product in water.....	Complete
	water in product.....	Complete
• Evaporation rate (n-butyl acetate = 100)	2.7
• Flash point (°C)	closed cup	91.0
	open cup	100.0
• Viscosity, 20 °C (cPs)	11
• MIR ⁽¹⁾ (Maximum Incremental Reactivity)	g O ₃ /g VOC	2.01

⁽¹⁾ Potential formation of ozone catalyzed by sunlight

PACKAGING:

Product in bulk	CODE
Product in drums (210 kg)	106651
Product in container (1050 Kg)	106652
	121376

SHELF LIFE:

The expiration date is 12 months from the manufacture date, defined through laboratories studies. External factors may influence in the date described . Rhodia is not responsible for the observance of the necessary conditions to the maintenance of the expiration date after the delivery of the product to the acquirer.

It's recommended the full compliance with the storage conditions indicated in the "Safety Data Sheet".

COMMERCIALIZATION:

Augeo SL 191 is directly commercialized by **Rhodia** to orders of 210 Kg drums, 1050 kg containers and bulk.

TRANSPORT, STORAGE AND SAFETY INSTRUCTIONS:

Please consult our "Safety Data Sheet".

The information contained in this document is supplied in good faith. However it is purely given as an indication. It shall not be considered in any way as a formal commitment or warranty on our part, notably in respect of the possible infringement of any rights of third parties which may be caused through use of our product.

TECHNICAL ASSISTANCE:

The technical staff of **RHODIA** is at your disposal to give more information about this product.

This specialized staff works with a technically advanced laboratory for the development of solvent systems.

PHONE.: (55-11) 3741 - 8796

www.rhodia.com.br

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This information does not have to be used as a replacement to the necessary previous tests in order to assure that the product is adjusted for the intended application. The users are responsible for assuring the fulfillment of the local laws and for the certificates and authorizations required. We request the users to verify if they have the latest available version of this document and we are pleased to deliver additional information whenever needed.

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