TECHNICAL DATA SHEET

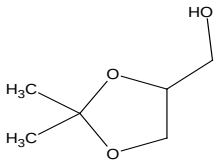
Augeo Clean Multi

May 2014 **REFERENCE: UQS-2-SOL-FP-099 - 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: $C_6H_{12}O_3$

MOLECULAR WEIGHT: 132.16

SPECIFICATIONS:

DETERMINATION	LIMITS	RHODIA METHOD
APPEARANCE	Clear Liquid	UQS-3-DCA-NA-005
*PURITY (% m/m); Min.	99.50	UQS-3-DCA-NA-376
DENSITY 20/20 ºC	1.067 - 1.071	UQS-3-DCA-NA-008
COLOR (Pt-Co); Max.	10.0	UQS-3-DCA-NA-006
ACIDITY AS ACETIC ACID (% m/m); Max.	0.02	UQS-3-DCA-NA-156
WATER (% m/m); Max.	0.10	UQS-3-DCA-NA-007

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

GENERAL CHARACTERISTICS:

The **Augeo Clean Multi** 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 Clean Multi** is a solvent from a renewable source developed for surface care segment into homecare and industrial & institutional markets, the main applications are multipurpose cleaners, waxes, polishes and polish removers, degreasers, glass cleaners and specialty cleaners. Also applied as a diluent and carrier for fragrance.

The **Augeo Clean Multi** 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.

PHYSICAL PROPERTIES:

• Boiling range, 760 mm Hg (ºC)	.....	183 - 191
• Liquid density, 20/20 ºC	.....	1.069
• Solubility, 20 ºC	product in water.....	Complete
	water in product….....	Complete
• Evaporation rate (n-butyl acetate = 100)	.....	2.7
• Flash point (ºC)	closed cup.....	91.0
	open cup……	100.0
• Viscosity, 20 ºC (cPs)	……	11
• MIR[(1)] (Maximum Incremental Reactivity)	g O_3 /g VOC	2.01

[(1)] Potential formation of ozone catalyzed by sunlight

PACKAGING:	**CODE**
Product in bulk	121480
Product in drums (210Kg)	121504

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:

The **Augeo Clean Multi** is directly commercialized by **Rhodia** to orders of 210 Kg drums 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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