

TECHNICAL DATA SHEET

Augeo[®] Clean Multi

REFERENCE

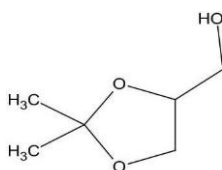
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IDENTIFICATION

GAS NUMBER: 100-79-8
INCI: Isopropylidenglycerol

STRUCTURAL FORMULA:



MOLECULAR FORMULA: C₆H₁₂O₃
MOLECULAR WEIGHT: 132.16

SYNONYMS

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

SPECIFICATIONS

DETERMINATIONS	LIMITS	SOLVAY METHOD	REFERENCE DOCUMENT
APPEARANCE	Clear Liquid	NA-1863	ASTM D-2090
PURITY*, (wt.%), MIN.	99.50	NA-1864	SOLVAY
SPECIFIC GRAVITY 20/20°C	1.067—1.071	NA-1862	ASTM D-4052
COLOR, (Pt-Co), MAX.	10	NA-1861	ASTM D-1209
ACIDITY AS ACETIC ACID, (wt.%), MAX.	0.02	NA-1859	ASTM D-1613
WATER, (wt.%), MAX.	0.10	NA-1860	ASTM D-1364

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

GENERAL CHARACTERISTICS

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

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. It is also applied as a diluent and carrier for fragrance and in the personal care segment.

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.

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PHYSICAL PROPERTIES

• Boiling range at 760 mmHg (°C)	183 - 191
• Freezing point (°C)	-99.0
• Liquid density 20/20° C	1.069
• Solubility at 20° c	In water..... Complete
	Water in..... Complete
• Kauri-butanol value	>500
• Evaporation rate (n-butyl acetate = 100)	2.7
• MIR ⁽¹⁾ (Maximum Incremental Reactivity)	g 03 lg VOE..... 2.01
• Flash point (°C)	Closed cup..... 91.0
	Open cup..... 100.0
• Viscosity at 20° c (cPs) 11

(1) - Potential ozone formation catalyzed by sunlight

SHELF LIFE

The expiration date is 24 months from the manufacture date, defined through laboratories studies. External factors may influence in the date described. **We** are 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".

TRANSPORT, STORAGE AND SAFETY INSTRUCTIONS

Please consult our "Safety Data Sheet".

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