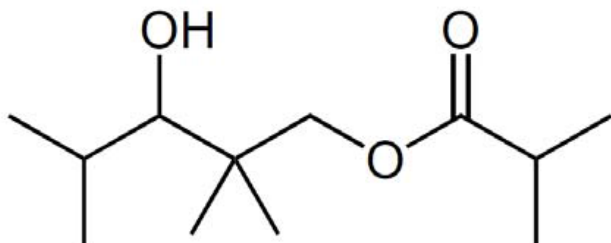


Haltanol Ester Alcohol



Haltanol is a high boiling, clear, colorless liquid ester-alcohol. The principal end uses of Haltanol are as a coalescing aid in latex paint, inks, industrial coatings and chemical intermediate for plasticizers.

CAS number

25265-77-4

Synonyms

2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate;
Isobutyric acid, ester with 2,2,4-trimethyl-1,3-pentanediol

Product code

40866

Typical Physical Properties of Haltanol

Molecular Weight	216.32 g/mol
Empirical Formula	C ₁₂ H ₂₄ O ₃
Appearance	Colorless Liquid
Freezing Point	-50°C (-58.0°F)
Boiling Point @ 760mm Hg	255°C (491°F)
Flash Point – Closed Cup	121°C (250°F)
Autoignition Temperature	393°C (739°F)
Density @ 20°C	0.95 kg/L 7.93 lb/gal
Vapor Pressure @ 20°C	0.01 mmHg
Vapor Density (air = 1)	7.5
Solubility	
in Water @ 20°C	0.1%
Water in @ 20°C	3.0%
Hazen Solubility Parameters	
Nonpolar	7.4
Polar	3
Hydrogen Bonding	4.8
Total	9.3
Surface Tension @ 20°C	30 dynes/cm
Refractive Index @ 20°C	1.4423
Viscosity @ 20°C	13.5 cP
Expansion Coefficient, per °C @ 20°C	0.001
Electrical Resistance	>20 Megohms
Critical Temperature	391.9°C
Critical Pressure	19.9 ATM
Critical Volume	718.6 ml/g·mol
Heat of Vaporization @ normal boiling point	15196 cal/g·mol
Odor Threshold	65 ppb

Heat of Combustion @ 25°C	-1607.7 cal/g·mol
Evaporation Rate (nBuAc = 1)	0.002

Note: The properties reported above are typical physical properties. Monument Chemical in no way guarantees that the product from any particular lot will conform exactly to the given values.

Health and safety information

Under current U.S. OSHA's Hazardous Communication program Haltanol is not considered hazardous.

Observe good industrial hygiene practices and use appropriate Personal Protective Equipment.

For full safety information please refer to the Safety Data Sheet.

Storage and Handling

General industry practice is to store Haltanol in carbon or stainless steel vessels. Product stored or delivered in unlined carbon steel vessels must be filtered due to technically unavoidable particles.

Haltanol should be stored under a nitrogen blanket when available. This product may absorb water if exposed to air. Avoid contact with air when storing for long periods of time.

Haltanol should be stored only in tightly closed, properly vented containers away from heat, sparks, open flame or strong oxidizing agents.

Handle empty containers carefully. Combustible residue remains after emptying.

Provided proper storage and handling precautions are taken, Haltanol manufactured and delivered by Monument Chemical is stable for at least 12 months from the date of manufacture. Haltanol that is subsequently repackaged, handled and/or delivered by third parties may have a different shelf life and may require third party shelf life studies. Product past the

retest date should be evaluated to confirm that all specifications are within their limits before use.

Additional Information

To learn more about Monument Chemical and the products and services we offer please visit our website at www.monumentchemical.com.

Effective Date: 10/29/2021

Revision: 3

Disclaimers

Please refer to the Safety Data Sheet (SDS) for complete information on Storage and Handling, Toxicological Properties, Personal Protection, First Aid, Spill and Leak Procedures, and Waste Disposal. To order an SDS, email SDS@monumentchemical.com. Before using or handling this product, the SDS should be thoroughly reviewed.

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