

## Methyl Isobutyl Carbinol (MIBC)

### Product Quality, Regulatory & Technical Information Package

August 2025

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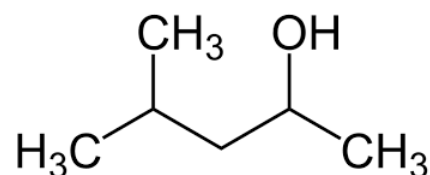
**Product Name:** Methyl Isobutyl Carbinol

Chemical Name: 4-Methylpentan-2-ol

CAS number: 108-11-2

Celanese (bulk) Material number: 50000445

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## Disclaimer

Celanese is supplying Methyl Isobutyl Carbinol as a technical grade product.

This document provides information about technical grade Methyl Isobutyl Carbinol ("Product") produced by Celanese and its affiliates ("Celanese" or "we"). The information presented in this document is based on our present state of knowledge and is intended to provide general notes on the Product and its intended uses. It does not constitute a guarantee of any specific properties of the Products described herein or its suitability for a particular application. The customer must make the sole determination whether the Product is suitable for the desired use. Celanese undertakes no obligation to update the information in this document.

The practice of providing this information to customers is for their convenience and is not legally binding. It does not alter the terms and conditions of sale, including without limitation, any limits of liability, applicable to the underlying commercial transaction involving the Product(s) to which this information applies. The Information is intended for use by persons having skill with respect to the subject matter involved.

Celanese makes no warranties, express or implied, and assumes no liability for the accuracy or completeness or in connection with any use of this information. Nothing herein is intended as a license to operate under or a recommendation to infringe any patents.

## General

Further literature to the Product, such as Safety Data Sheet, Brochures and Specifications can be retrieved from Celanese website [www.celanese.com](http://www.celanese.com).

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#### Product Description

Methyl isobutyl carbinol (MIBC), an organic chemical compound, is a liquid derivative of acetone with a pungent alcohol odor. It has limited solubility in water but is miscible with most organic solvents. The main uses of MIBC are as a frother in mineral flotation and in the production of lubricant oil additives.

Frothing, also known as froth flotation, is the process of selectively separating hydrophobic valuable minerals from hydrophilic waste gangue. In its simplest form, froth flotation is a method whereby minerals can be “skimmed” from the surface of “slurry” that is “foamed” with the assistance of specific chemicals, water and air bubbles.

MIBC is used as a frother in the flotation process in the mining of ores, such as copper and molybdenum sulfide, as well as coal. Compared to other frothers, Celanese’s MIBC product offers fast kinetics and excellent selectivity, and it forms dry but easy-to-break froths – increasing both the yield and the efficiency of mineral and metal recovery efforts. This technique results in an industry-leading way to separate valuable minerals from extracted ore.

MIBC can also be used in the production of lube oil additives (ZDDP) and for anti-wear and corrosion inhibitors – such as in the manufacture of brake fluid – and as a precursor to some plasticizers.

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### Physical properties

Data are intended for the purpose of product description and are not the subject of continuous monitoring. Further physical properties and characteristic data as well as information on safety and handling are listed in the safety data sheet and the sales specifications. Please consult [www.celanese.com](http://www.celanese.com).

Property	Metric Units	English Units	
Boiling Point @ 101.3 kPa (14.69 psi)	131.6 °C	268.9 °F	
Critical Pressure	3.465 MPa	502.6 psia	
Critical Temperature	301 °C	574 °F	
Evaporation rate (n-Butyl Acetate = 1)	0.26		
Heat of Vaporization	@ 20 °C (68 °F)	491 kJ/kg	211 Btu/lb <sub>m</sub>
	@ 30 °C (86 °F)	484 kJ/kg	208 Btu/lb <sub>m</sub>
	@ 50 °C (122 °F)	470 kJ/kg	202 Btu/lb <sub>m</sub>
Liquid Heat Capacity	@ 20 °C (68 °F)	2.667 kJ/(kg·K)	0.637 Btu/(lb <sub>m</sub> ·°F)
	@ 30 °C (86 °F)	2.680 kJ/(kg·K)	0.640 Btu/(lb <sub>m</sub> ·°F)
	@ 50 °C (122 °F)	2.713 kJ/(kg·K)	0.648 Btu/(lb <sub>m</sub> ·°F)
Liquid Thermal Conductivity	@ 20 °C (68 °F)	0.133 W/(m·K)	2.14·10 <sup>-5</sup> Btu/(ft·sec·°F)
	@ 30 °C (86 °F)	0.131 W/(m·K)	2.10·10 <sup>-5</sup> Btu/(ft·sec·°F)
	@ 50 °C (122 °F)	0.126 W/(m·K)	2.02·10 <sup>-5</sup> Btu/(ft·sec·°F)
Melting Temperature	- 90 °C	- 130 °F	
Molar Mass	102.18 g/mol		
Refractive Index n <sub>D</sub> <sup>20</sup>	1.411		
Solubility in Water @ 20 °C (68 °F)	21.8 g/l		
Surface Tension	@ 20 °C (68 °F)	0.0230 N/m	23.0 dynes/cm
	@ 30 °C (86 °F)	0.0222 N/m	22.2 dynes/cm
	@ 50 °C (122 °F)	0.0206 N/m	20.6 dynes/cm
Vapor Density (Air=1)	3.52		
Vapor Pressure @ 20 °C (68 °F)	3.7 hPa	0.054 psia	
Viscosity	@ 20 °C (68 °F)	5.1 mPa·s	
	@ 30 °C (86 °F)	3.3 mPa·s	
	@ 50 °C (122 °F)	1.6 mPa·s	

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Temperature		Liquid Density
(°F)	(°C)	(g/cm <sup>3</sup> )
33.8	1	0.8210
41	5	0.8178
50	10	0.8138
59	15	0.8097
68	20	0.8057
77	25	0.8016
86	30	0.7976
95	35	0.7935
104	40	0.7895

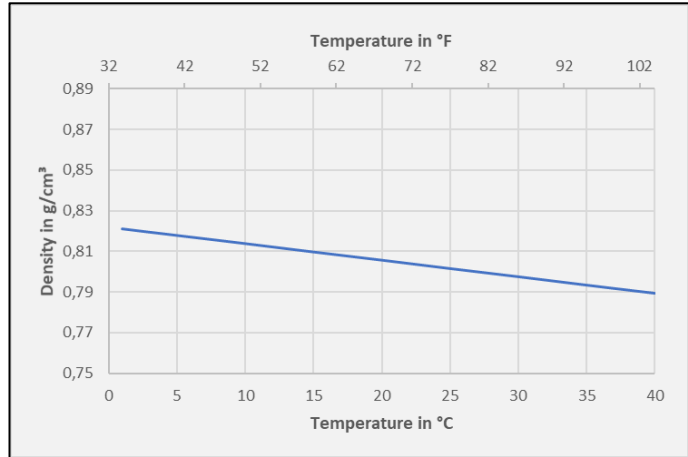


Figure 1: Density as a function of Temperature

Temperature		Vapor Pressure	
(°F)	(°C)	(kg/cm <sup>2</sup> )	(hPa)
32	0	0.001	1.1
41	5	0.002	1.6
50	10	0.002	2.4
59	15	0.004	3.5
68	20	0.005	5.0
77	25	0.007	7.0
86	30	0.010	9.8
95	35	0.014	13.4
104	40	0.019	18.2
113	45	0.025	24.4
122	50	0.033	32.3

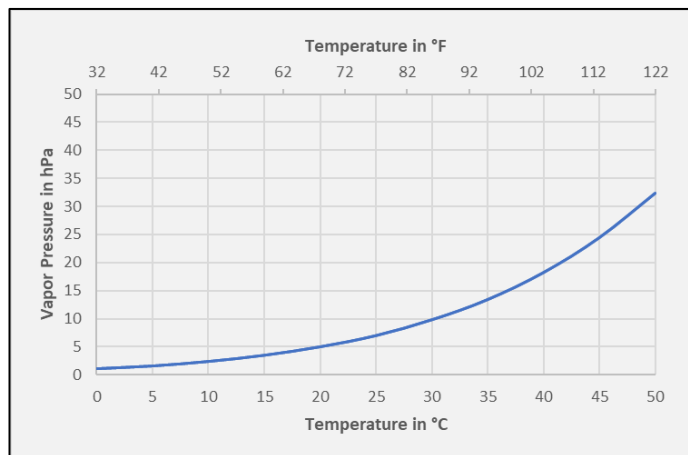


Figure 2: Vapor Pressure as a function of Temperature

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### Storage and Handling Recommendations

#### Storage

Recommended Blanketing	Air <sup>a, b</sup> or Dry Nitrogen <sup>a, b, c</sup>
Recommended Temperature	Ambient
Recommended Pressure	Atmospheric
Bulk Quantities	Outside, detached tanks
Small Containers	Cool, dry, well ventilated area

- Refer to National Fire Protection Agency (NFPA) #77 "Static Electricity" or the respective national technical code for proper electrical grounding procedures.
- See the National Fire Protection Agency (NFPA) #30 "Flammable and Combustible Liquids Code" or the respective national technical code and consult with qualified fire protection specialists to determine specific storage tank design requirements.
- Blanketing may be used to retain quality in long-term storage conditions.

#### Handling

- Thoroughly review Safety Data Sheet before handling product.
- Protect small containers from physical damage. Keep containers closed when not in use. Open containers slowly to allow any excess pressure to vent.
- Keep away from heat, sparks, flame or other sources of ignition. Use spark-resistant tools.
- See the National Fire Protection Agency (NFPA) #30 "Flammable and Combustible Liquids Code" or the respective national technical code and consult with qualified fire protection specialists to determine specific storage tank design requirements.
- Use proper electrical grounding and bonding procedures when loading, unloading and transferring. Refer to the National Fire Protection Agency (NFPA) #77 "Recommended Practice for Static Electricity" or the respective national technical code for proper electrical grounding procedures.
- Electrical equipment and circuits in all storage and handling areas must conform to requirements of national electrical code (Articles 500 and 501) or the respective national technical code for hazardous location.
- The Product floats on water and may create a special hazard.
- The Product's vapor is heavier than air and can travel considerable distance to a source of ignition and flashback.
- Refer to the Safety Data Sheet for more information on materials to avoid.
- For further information on safety and handling, please use the following link:  
<https://www.celanese.com/sds-search>

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### Packaging

Recommended Containers:

- DOT 111A100W1 Tank Cars
- DOT MC 307 or DOT 407 Tank Trucks
- UN 1A1/X1.2/300 55-Gallon Carbon Steel Drums
- Ship Tank and Barge

The Product is available from Celanese as bulk material.

### Materials of Construction

Unit / element	Acceptable Material	Alternate Material
Tank	Stainless Steel <sup>a</sup>	Carbon Steel <sup>e</sup> Aluminum <sup>b, c</sup> Lined Carbon Steel <sup>d</sup>
Piping	Carbon Steel	Stainless Steel <sup>a</sup>
Valves	Carbon Steel, Cast Iron	Stainless Steel <sup>a</sup>
Pumps	Carbon Steel	Stainless Steel <sup>a</sup>
Relief Valves	Carbon Steel	Stainless Steel <sup>a</sup>
Gaskets	Glass filled PTFE <sup>f</sup>	PTFE <sup>f</sup>
Pump Seals	Single Mechanical Seal: Stainless Steel / Hastelloy C-276 metallic components, Kalrez O-rings	–
Valve Packing	PTFE <sup>f</sup>	Braided PTFE <sup>f</sup>
Pipe End Connections	Welded and flanged system	Threaded with PTFE <sup>f</sup> tape thread lubricant
Heat Exchanger	Product side: Carbon Steel	Product side: Stainless Steel <sup>a</sup>
Hoses	Stainless Steel <sup>a</sup>	Butyl Rubber Aluminum <sup>b, c</sup>
Tank Truck	Stainless Steel <sup>a</sup>	Aluminum <sup>b, c</sup>
Tank Car	Stainless Steel <sup>a</sup>	Carbon Steel <sup>e</sup> Aluminum <sup>b, c</sup> Lined Carbon Steel <sup>d</sup>
Ship Tank	Stainless Steel <sup>a</sup>	Lined Carbon Steel <sup>d</sup> Zn Lined Carbon Steel <sup>g</sup>

- Type 304 or 316 Stainless Steel.
- Use 3000, 5000, 6000 series Aluminum when temperature does not exceed 120 °F (49 °C).
- Aluminum will corrode in dry alcohols; preferred water content is greater than 500 ppm.
- Lining refers to high baked phenolic resin.
- Rust free
- Polytetrafluoroethylene
- Zn Lining refers to Zinc Silicate, Inorganic Zinc or Zinc Rich Inorganic.

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### Product Quality Statements

#### Manufacturing Locations

The Product is produced at manufacturing location in Cangrejera (Mexico).

- Cangrejera Plant  
 Carretera Coatzacoalcos-Villahermosa, Km. 12.3  
 96400 Coatzacoalcos  
 Veracruz, Mexico

#### ISO Certification

The Product is a technical grade material produced under ISO 9001 rules. Certificates are available at Celanese web page (Select Filter "Intermediate Chemistry" and additional filters to retrieve the Certificate from the respective Manufacturing site):

<https://www.celanese.com/certificate-search>

#### Specification

The Product is supplied according to Celanese Sales Specification. A copy of the Sales Specification is attached to this dossier.

1. Celanese has a product traceability and withdrawal/recall program in place which we believe is appropriate for technical grade products.
2. The Product is not manufactured under GMP rules.
3. Celanese makes no nutrition statement.
4. There is no food or pharmaceutical grade hazard assessment program available for the Product.

#### Analytical Methods

Applied analytical methods according to the sales specifications provided as attachment.

Specifications	Analytical Methods <sup>(1)</sup>
Methyl Isobutyl Carbinol	DIN 51 405 / ASTM D 3329
Water	DIN 51777 / ASTM D 1364 (mod. Karl-Fisher Method) / ASTM E 203 / ASTM D 6304 Procedure A
Acidity as Acetic Acid	DIN EN ISO 2114 / ASTM D 1613
Color	DIN EN 1557 / DIN ISO 6271 / ASTM D 1209 / ASTM 5386
Nonvolatile Matter	DIN 53 172 / ASTM D 1353
Appearance	Visual Examination / ASTM E 2680
Specific Gravity 20°C/20°C	DIN 51757 method D / ASTM D 4052

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<sup>1</sup> Alternative equivalent methods can be used at Celanese Terminals.

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### Manufacturing Process & Raw Materials

Celanese manufactures the Product by hydrogenation of Mesityl Oxide (MO) in the presence of a catalyst. The raw materials and the catalyst are fed to the reactor where the major products are Methyl Isobutyl Ketone (MIBK) and Methyl Isobutyl Carbinol (MIBC). The crude product is then sent to the purification unit where the Product is purified by distillation.

Celanese supplies basic chemicals. Our production technology relies on a continuous production process. The initial basic molecules used at the beginning of the value chain are mainly from fossil origin from national wide pipeline networks that might contain trace amounts of bio-content, independent of any Celanese activity. Because of the multiple reaction and purification steps along the value chain to produce MIBC, we believe that the quality properties of our products are not influenced by the trace bio-content feedstock. During the manufacturing process, the material does not come into contact with materials of animal origin.

### Shelf Life

The shelf life of the Product is one year.

The shelf life dates from the date of packaging, and for bulk deliveries this is the date of loading. This period is in general applicable to material

- packaged in discrete containers such as drums or bulk containers and
- stored under conditions recommended by Celanese.

For the Product this entails storage at ambient temperatures in tightly sealed, undamaged containers in a cool and well-ventilated place under dry air or dry nitrogen blanket. Blanketing may be used to retain quality in long term storage conditions, especially to prevent access of humidity.

Most products will have a longer useful life but should be examined by the owner at its sole responsibility at the end of the recommended storage life to determine purity and condition of product. Bulk storage life, under recommended storage conditions, may be longer if the Product is routinely monitored for specific indications of the condition of the material, or if the Product in the tank is removed and replenished with fresh material on a routine basis. Any use of the Product after expiration of the shelf life is the sole responsibility of the buyer.

### Kosher

The Product is not available as a certified Kosher grade.

Celanese supplies basic chemicals. Our production technology relies on a continuous production process. The initial basic molecules used at the beginning of the value chain are mainly from fossil origin from national wide pipeline networks that might contain trace amounts of bio-content, independent of any Celanese activity. Because of the multiple reaction and purification steps along the value chain to produce MIBC, we believe that the quality properties of our products are not influenced by the bio-content feedstock. All catalysts and processing aids are of synthetic origin; we do not use any direct raw materials having an animal or dairy origin, nor is our process likely to be contaminated by such. Ethanol is not used as raw material or processing aid.

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#### Halal

The Product is not available as a certified Halal grade.

Celanese supplies basic chemicals. Our production technology relies on a continuous production process. The initial basic molecules used at the beginning of the value chain are mainly from fossil origin from national wide pipeline networks that might contain trace amounts of bio-content, independent of any Celanese activity. Because of the multiple reaction and purification steps along the value chain to produce MIBC, we believe that the quality properties of our products are not influenced by the bio-content feedstock. All catalysts and processing aids are of synthetic origin; we do not use any direct raw materials having an animal or dairy origin, nor is our process likely to be contaminated by such. Ethanol is not used as raw material or processing aid.

#### ICH Guidelines

The Product does not, based on Celanese's knowledge, contain solvents in the concentration limits specified by the ICH Guideline Q3C(R9) for residual solvents.

The Product does not contain intentionally added sources of biological substances as described in ICH: Q5A (R2): Viral safety evaluation of biotechnology products derived from cell lines of human or animal origin.

#### Radiation

The Product is not subjected to any artificial radiation.

### Regulatory Statements

The Product as of this date is listed in the following regulations:

- SARA 311

The Product is not listed in the following regulations:

- California Proposition 65 (as of January 2025)
- CERCLA EPCRA, CAA 112 Consolidated list (June 2019 Version)

The Product is compliant with CONEG.

#### Animal Testing

The Product was not subject of animal testing for cosmetic purposes by or on behalf of Celanese in order to meet the requirements of Regulation (EC) No 1223/2009 on cosmetic products.

As a chemical products manufacturer and importer, Celanese is required to participate in the chemical industry's efforts to ensure the protection of human health and the environment and also has obligations under the REACH regulation (Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals).

Celanese practice is to extensively search internally and externally for existing toxicological information before initiating testing. Where existing information does not exist for relevant endpoints, a

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comprehensive effort will be made to avoid the use of animals by employing alternative methods. When other means have been exhausted and animal testing may be required to develop data to ensure the protection of health and the environment, scientifically sound techniques to reduce the numbers of animals will be used. All applicable animal welfare laws will be followed to ensure care and compassion are exercised.

### BSE/TSE

Celanese supplies basic chemicals. Our production technology relies on a continuous production process. The initial basic molecules used at the beginning of the value chain are mainly from fossil origin from national wide pipeline networks that might contain trace amounts of bio-content, independent of any Celanese activity. Because of the multiple reaction and purification steps along the value chain to produce MIBC, we believe that the quality properties in terms of BSE/TSE are not influenced by the trace bio-content feedstock. All catalysts and processing aids are of synthetic origin; we do not use any direct raw materials having an animal dairy origin, nor is our process likely to be contaminated by such.

### Genetically Modified Organisms (GMO)

The chemistry to manufacture the Product does not use genetically modified or engineered organisms or biomaterials. No GMO/GME substances are added by Celanese to the Product. The product is not verified through the Non-GMO Project Verification Program.

Celanese supplies basic chemicals. Our production technology relies on a continuous production process. The initial basic molecules used at the beginning of the value chain are mainly from fossil origin from national wide pipeline networks that might contain trace amounts of bio-content, independent of any Celanese activity. Because of the multiple reaction and purification steps along the value chain to produce MIBC, we believe that the quality properties in terms of GMO are not influenced by the bio-content feedstock. However, we do not have a specification for them, and we do not analyze them.

### Global Country Inventories

The substance is listed in the following country inventories:

Chemical Inventory Status	listed	comments
Australia (AIC)	yes	
Canada (DSL)	yes	
China (IECSC)	yes	
Japan (ENCS)	yes	
New Zealand (NZIOC)	yes	
Philippines (PICCS)	yes	
USA (TSCA)*	yes	active
Korea (KECI)	yes	
Taiwan (TCSI)	yes	
Mexico (INSQ)	yes	

\* It is not subject to any action under TSCA Section 4, 5, 6, 8a, 8d, or 12b.

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### Allergens

The Product does not, based on Celanese's knowledge, contain the following substances and products thereof commonly associated with food allergens:

- Peanut
- Soya
- Bean
- Milk
- Egg
- Fish
- Peas
- Barley
- Lupine
- Molluscs
- Sulfur Dioxide
- Sulphites
- Tree nuts
- Wheat
- Crustaceans
- Gluten
- Glycerol
- Mustard

### Excluded substances

These substances are not, based on Celanese's knowledge, present in the Product. They are not known to be generated in the production process, nor are we aware of such substances appearing as impurities in the raw materials. However, we do not have a specification for those substances, nor do we analyze for them.

No metals are intentionally added to the product or process. Normal trace levels of metals may be found in the product.

- 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)
- 3-Monochloro-propanediol (3-MCPD)
- Aflatoxins
- Algaecide / biocide
- Alkyl phenol ethoxylates (APEO)
- Aromatic amines
- Asbestos
- Azo compounds
- BADGE (2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether)
- BFDGE (bis(hydroxyphenyl)methane bis(2,3-epoxypropyl) ethers)
- Bisphenol A
- Bisphenol F
- Brominated flame retardants
- Butylated hydroxytoluene (BHT)
- Coloring Agents / Dyes
- Cytokines
- Decabromodiphenyl ether (DecaBDE)
- Dichloro-propanediol (DCP)
- Dioxins
- Epichlorohydrin
- Epoxy compounds
- Mineral Oil Aromatic Hydrocarbons (MOAH)
- Nanomaterials
- Nanoparticle-based protein Therapeutics
- Naphthalene
- Natural Latex
- Nitrates
- Nitrogen oxide
- Nitrosamines
- Nitrosating agents
- NOGE (novolac glycidyl ether)
- Organotin compounds
- Ortho phenyl phenol (OPP)
- Ozone depleting substances
- Palm Oils / Palm Kernel Oils
- Paradichlorobenzene (PDCB)
- Pentachlorothiophenol (PCTP)
- Per- and polyfluoroalkyl substances (PFAS)<sup>2</sup>
- Pesticides
- Phenol, isopropylated phosphate (PIP (3:1))
- Phosphates
- Phthalates
- Pigments
- Plasticizers

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<sup>2</sup> PFAS as defined by the OECD: PFAS definition published by Organization for Economic Co-operation and Development (OECD) provided at this [LINK](#) (last accessed on 25 July 2024) or via DOI 10.1787/e458e796-en

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- Ethylene oxide
- Flame retardants
- Fluorochemicals
- Formaldehyde and Formaldehyde releasers
- Glycol ethers
- Gold
- Halogens / Halogenated Substances
- Heavy metals
- Hexachlorobutadiene (HCBD)
- Hybridoma cells
- Jatropha
- Melamine
- Microplastics
- Mineral Oil Saturated Hydrocarbons (MOSH)
- Monoclonal antibodies
- Polybrominated substances
- Polychlorinated substances
- Polyvinyl chloride (PVC)
- Protein subunits
- Radioactive substances
- Sewer sludge
- Silicones
- Subunit vaccines from in-vitro cell culture
- Tantalum
- Tin
- Tribromophenol
- Triclosan
- Tris (nonylphenyl) phosphite
- Tungsten
- Viral vectors and Viral vector derived products

## EU REACH

### Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Celanese is aware of the obligations imposed by REACH on EU manufacturers and importers as well as on downstream users.

We are obliged to comply with the requirements of the REACH legislation relating to our European manufacturing facilities, our own imports as well as our obligations as a downstream user in the European chemical industry.

Should you require additional information on REACH and SVHC, please contact Celanese at [REACH@celanese.com](mailto:REACH@celanese.com).

## Food & Food Contact

Celanese produces and offers the Product exclusively as a technical product. The Product is not of a Food or Food contact grade. Any suitability for use is the sole responsibility of the buyer to verify fitness of the Product for the intended use and fitness of the final good for introduction into the market and to ensure compliance of the final goods with the relevant regulations.

### Packaging Inks in Swiss Ordinance of the FDHA on Materials and Articles (817.023.21)

Status: 21<sup>st</sup> January 2021

Packaging inks are regulated in the section 12 of the Ordinance of the FDHA on Materials and Articles, and the provisions of this Section apply to packaging inks as specific constituent elements of materials and articles.

General listings in Annex 2 and Annex 10 to the Swiss Ordinance of the FDHA on Materials and Articles (817.023.21):

Annex 2  
Not listed.

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#### Annex 10

1	Nr.	436
2	Bezeichnung des Stoffes	4-Methyl-2-pentanol
3	CAS-Nr.	0000108-11-2
4	Ref-Nr.	66860
5	Verwendung	S
6	Teil	A
7	SML [mg/kg]	5 (T)
8		
9	Beschränkungen und Spezifikationen	Summe mit 4-Methyl-2-pentanone [108-10-1]

### Restriction of Hazardous Substances (RoHS)

Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (recast) (RoHS)

Status: 21<sup>st</sup> January 2021

The Product as supplied by Celanese does not fall within the scope of directive 2011/65/EU, since it applies to electrical and electronic equipment (EEE) "falling within the categories set out in Annex I." (Art. 2)

Annex II of Directive 2011/65/EU lists "Restricted substances [...] and maximum concentration values tolerated by weight in homogeneous materials"

- Lead (0.1 %)
- Mercury (0.1 %)
- Cadmium (0.01 %)
- Hexavalent chromium (0.1 %)
- Polybrominated biphenyls (PBB) (0.1 %)
- Polybrominated diphenyl ethers (PBDE) (0.1 %)
- Bis(2-ethylhexyl) phthalate (DEHP) (0,1 %)
- Butyl benzyl phthalate (BBP) (0,1 %)
- Dibutyl phthalate (DBP) (0,1 %)
- Diisobutyl phthalate (DIBP) (0,1 %)

The Product, based on Celanese's knowledge, does not contain these substances at the required limits. However, these substances are not routinely tested in our analytical procedures and quality control system, therefore, analytical data on the existence/non-existence of these substances cannot be provided.

### Volatile Organic Compounds (VOC)

Status: 21<sup>st</sup> January 2021

The Product fulfills the criteria and is considered a VOC according to

- 2010/75/EU on industrial emissions (integrated pollution prevention and control) (Recast)
- 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (Paints Directive)
- Swiss OVOC, Ordinance on the Incentive Tax on Volatile Organic Compounds 814.018

# Methyl Isobutyl Carbinol (MIBC)

## Product Quality, Regulatory & Technical Information Package

August 2025

### Attachment I: Sales Specifications

# Methyl Isobutyl Carbinol

(4-Methylpentan-2-ol) CAS-No. 108-11-2

## Sales Specification

Specifications <sup>(1)</sup>		Limit	Unit
Methyl Isobutyl Carbinol	min.	99.0	wt. %
Water	max.	0.10	wt. %
Acidity, as Acetic Acid	max.	0.01	wt. %
Color	max.	10	Pt-Co
Nonvolatile Matter	max.	0.005	g/100 mL
Appearance	-	CFSM <sup>(2)</sup>	-
Specific Gravity 20 °C/20 °C	-	0.8060 – 0.8090	-

(1) Test methods available upon request.

(2) Clear and Free from Suspended Matter.

Product Numbers: 50000445

Spec. MIBC-001-Global-Jun25

Supersedes: MIBC-001 (Jan. 2017) and MIBC\_50000445\_SLS\_e\_V3 of November 15, 2016 (Version-No. 3)

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