

OXYGENATED SOLVENTS

AND DERIVATIVES

Clear solutions for demanding applications



ARKEMA
INNOVATIVE CHEMISTRY

ARKEMA OXYGENATED SOLVENTS

DESIGNED WITH YOUR NEEDS IN MIND



VARIOUS APPLICATIONS

- Solvents for extraction, dilution, formulation, chemical synthesis.
- Synthesis intermediates.
- Coupling agents.
- Additives: coalescing agents, co-solvents, frothers, grinding aids, etc.

GRADES SUITED TO YOUR MARKETS

- Dedicated grades for your specific applications in electronics, pharmaceuticals, agrochemicals, personal care products, etc.

EXTENSIVE RANGE OF PACKAGING

- Drums, IBC, isotanks, tank trucks and railcars.

GLOBAL SUPPLY CHAIN

- Global presence backed by local customer service and sales representatives.
- Global storage network with 7 distribution centers established on 4 continents.

TECHNICAL SERVICE & DEVELOPMENT SUPPORT

To help you stay ahead of your environmental, economic and technical challenges, we offer:

- Technical and analytical expertise.
- Custom manufacturing to meet your needs for specific solvents, grades and blends.
- Integrated R&D laboratories, pilot plant and industrial equipment for greater responsiveness.

HIGH QUALITY STANDARDS

- ISO 9001, 14001 and OHSAS18001 certified plant.
- EH&S and product stewardship support.



		CAS number	Pharmaceuticals	Paints, adhesives & coatings	Crop protection	Fragrances & aromas	Detergents	Personal care	Electronics	Lubricants	Construction	Automotive	Textile & leather	Mining	
MethylIsoButylKetone	MIBK	108-10-1	■	■	■										<chem>CC(C)CC(=O)C</chem>
Isophorone	IPHO	78-59-1	■	■	■	■	■								<chem>CC1(C)C=CC(=O)CC1</chem>
Mesityl Oxide	MO	141-79-7	■			■									<chem>CC(=O)C=C(C)C</chem>
Diacetone Alcohol	DAA	123-42-2		■	■	■									<chem>CC(=O)CC(O)C</chem>
MethylIsoButylCarbinol	MIBC	108-11-2	■				■		■	■		■			<chem>CC(C)CC(O)C</chem>
Hexylene Glycol/Hexasol®	HG	107-41-5	■	■	■	■	■	■	■	■	■	■	■		<chem>CC(O)CC(O)C</chem>
TriMethylCycloHexanone	TMCHONE	873-94-9							■	■					<chem>CC1(C)C(=O)CC(C)C1</chem>

WORLDWIDE REGULATORY EXPERTISE

Our Regulatory Affairs team ensures our products comply with the ever demanding and growing regulations around the world: REACH (Europe), EPA Pre-manufacture Notice (USA), MEP New Chemical Substance Notification (China), K-REACH (Korea), etc.



Molecular weight - g/mol
Density at 20°C - g/cm³
Boiling point at 1013 hPa - °C
Freezing point - °C
Vapor pressure at 20°C - hPa
Water solubility at 20°C - weight %
Viscosity at 20°C - cP (mPa.s)
Surface tension at 20°C - mN/m
Refractive index at 20°C
Latent heat of vaporization - kJ/kg
Specific heat (liquid at 20°C) - kJ/kg/k
Heat of combustion at 25°C - kJ/kg
Flash point (closed cup) - °C
Self-ignition temperature - °C
Flammability limits in air - volume %
Lower limit - Upper limit
Evaporation rate (n-butyl acetate = 1)
Azeotrope with water

- Boiling point at 1013 hPa - °C
- Water content - weight %

Hansen solubility parameters at 25°C - MPa^{1/2}
δ_t δ_d δ_p δ_h

100.16	0.801	116	-84	19	1.9	0.6	23.9	1.3959	358	2.11	34 820	16	460	1.4 – 7.5	1.8	87.9 24.3	17 15.3 6.1 4.1
138.21	0.921	215.2	-8.1	0.4	1.2	2.6	32.3	1.4781	307	1.81	35 690	85	462	0.8 – 3.8	0.04	99.5 83.9	19.9 16.6 8.2 7.4
98.15	0.854	129.8	-53	11	2.8	0.6	28.5	1.4458	368	2.15	33 940	28	344	1.3 – 10.1	0.94	91.8 24.8	18.9 16.4 6.1 6.1
116.16	0.938	168	-44	1.3	totally miscible	3.2	31	1.4237	384	1.88	27 710	63	640	1.8 – 6.9	0.1	99.6 87	20.8 15.8 8.2 10.8
102.18	0.807	131.7	-90	4.9	1.7	5.2	23	1.4113	406	2.40	35 830	41	335	1 – 5.5	0.33	94.3 43.3	19.8 15.2 2.4 12.4
118.18	0.922	197.5	-40	0.07	totally miscible	38	28.5 at 25°C	1.4276	452	1.99	29 880	97	306	1.3 – 9	0.01	none	25.2 15.8 8.4 17.8
140.23	0.889	189	-8	2.0	1.0	2.5	N/A	1.4458	N/A	N/A	N/A	67	430	N/A	N/A	N/A	18.9 17.1 5.5 5.9

N/A stands for "not available"

A global chemical company and France's leading chemicals producer, Arkema is building the future of the chemical industry every day. Deploying a responsible, innovation-based approach, we produce state-of-the-art specialty chemicals that provide customers with practical solutions to such challenges as climate change, access to drinking water, the future of energy, fossil fuel preservation and the need for lighter materials. With operations in more than 40 countries, some 14,000 employees and 10 research centers, Arkema generates annual revenue of €6.1 billion, and holds leadership positions in all of its markets with a portfolio of internationally recognized brands.

WORLDWIDE CONTACT

For further information, please contact us:

Arkema - La Chambre plant
BP 10
73130 La Chambre
FRANCE

Phone: +33 (0)4 79 59 35 86
Fax: +33 (0)4 79 59 35 79

info.oxygenatedsolvents@arkema.com

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See MSDS for Health & Safety Considerations

info.oxygenatedsolvents@arkema.com

ARKEMA
INNOVATIVE CHEMISTRY

Headquarter: Arkema France
420, rue d'Estienne d'Orves
92705 Colombes Cedex - France
Tel.: 33 (0)1 49 00 80 80
Fax: 33 (0)1 49 00 83 96
arkema.com