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methanol, 41.2500 Click to view available options Quantity: 500 mL 1 L 4 L 20 L 200 L Important to us. Please complete this form to provide feedback related to the content on this product. Your feedback has been submitted: Thank you for helping us improve our website. CH3OH; simplest possible alcohol Not to be confused with ethanol, methanol, methenone, methanol, or ethanol. Methanol Space Filling Model Methanol Ball and stick model of methanol A sample of methanol Names Preferred IUPAC name Methanol[1] Other names CarbinolColumbian spirits HydroxymethaneMeOHMethyl alcoholMethyl hydrateMethyl hydroxideMethylic alcoholMethylMethylethylene hydrate, primary alcoholPolyproline spiritWood alcoholWood spirit Identifiers CAS Number 67-56-1 Y 3D model [Jsmol] Interactive image Beilstein Reference 1908229 CHEBI CHEBI:17790 Y CHEMBL CHEMBL14688 Y ChEMSpider 864 Y ECHA InfoCard 100.000.599 EC Number 205-695-6 Gmelin Reference 449 KEGG D02309 Y MeSH Methanol PubChem CID 887 RTECS number PC1400000 UNII Y4576WJW15 Y UN number 1230 CompTox Dashboard [EPA] DTSID02171 InChI InChI=1/CSH12O/c1-2/h2H,1H3 Key: OKKJVLBELUTKV-UHFFFAOYSA-N YInChI=1/CHAO/c1-2/h2H,1H3Key: OKKJVLBELUTKV-UHFFFAOYSA-N Properties Chemical formula CH3OH Molar mass 32.042 g/mol Appearance Colorless liquid Odor Faint and similar to ethanol Density 0.792 g/cm³ [32] Melting point −97.6 °C (−143.7 °F; 175.6 K) Boiling point 64.7 °C (148.5 °F; 337.8 K) Solubility in water miscible log P −0.69 Vapor pressure 13.02 kPa (at 20 °C) Acidity (pKa) 15.5[3] Conjugate acid Methyloxonium ion Conjugate base Methoxide Ion Viscosity 0.545 mPa·s (at 25 °C)[7] Dipole moment 1.66 D Thermodynamic data Standard enthalpy of formation (ΔH°f) −238.7 kJ/mol Standard enthalpy of combustion (ΔH°c) −726.7 kJ/mol Standard Gibbs free energy of formation (ΔG°f) −166.3 kJ/mol Standard Gibbs free energy of combustion (ΔG°c) −688.9 kJ/mol Safety data GHS05, GHS07, GHS09, GHS11, GHS12, GHS13, GHS14, GHS15, GHS16, GHS17, GHS18, GHS19, GHS20, GHS21, GHS22, GHS23, GHS24, GHS25, GHS26, GHS27, GHS28, GHS29, GHS30, GHS31, GHS32, GHS33, GHS34, GHS35, GHS36, GHS37, GHS38, GHS39, GHS40, GHS41, GHS42, GHS43, GHS44, GHS45, GHS46, GHS47, GHS48, GHS49, GHS50, GHS51, GHS52, GHS53, GHS54, GHS55, GHS56, GHS57, GHS58, GHS59, GHS60, GHS61, GHS62, GHS63, GHS64, GHS65, GHS66, GHS67, GHS68, GHS69, GHS70, GHS71, GHS72, GHS73, GHS74, GHS75, GHS76, GHS77, GHS78, GHS79, GHS80, GHS81, GHS82, GHS83, GHS84, GHS85, GHS86, GHS87, GHS88, GHS89, GHS90, GHS91, GHS92, GHS93, GHS94, GHS95, GHS96, GHS97, GHS98, GHS99, GHS100, GHS101, GHS102, GHS103, GHS104, GHS105, GHS106, GHS107, GHS108, GHS109, GHS110, GHS111, GHS112, GHS113, GHS114, GHS115, GHS116, GHS117, GHS118, GHS119, GHS120, GHS121, GHS122, GHS123, GHS124, GHS125, GHS126, GHS127, GHS128, GHS129, GHS130, GHS131, GHS132, GHS133, GHS134, GHS135, GHS136, GHS137, GHS138, GHS139, GHS140, GHS141, GHS142, GHS143, GHS144, GHS145, GHS146, GHS147, GHS148, GHS149, GHS150, GHS151, GHS152, GHS153, GHS154, GHS155, GHS156, GHS157, GHS158, GHS159, GHS160, GHS161, GHS162, GHS163, GHS164, GHS165, GHS166, GHS167, GHS168, GHS169, GHS170, GHS171, GHS172, GHS173, GHS174, GHS175, GHS176, GHS177, GHS178, GHS179, GHS180, GHS181, GHS182, GHS183, GHS184, GHS185, GHS186, GHS187, GHS188, GHS189, GHS190, GHS191, GHS192, GHS193, GHS194, GHS195, GHS196, GHS197, GHS198, GHS199, GHS200, GHS201, GHS202, GHS203, GHS204, GHS205, GHS206, GHS207, GHS208, GHS209, GHS210, GHS211, GHS212, GHS213, GHS214, GHS215, GHS216, GHS217, GHS218, GHS219, GHS220, GHS221, GHS222, GHS223, GHS224, GHS225, GHS226, GHS227, GHS228, GHS229, GHS230, GHS231, GHS232, GHS233, GHS234, GHS235, GHS236, GHS237, GHS238, GHS239, GHS240, GHS241, GHS242, GHS243, GHS244, GHS245, GHS246, GHS247, GHS248, GHS249, GHS250, GHS251, GHS252, GHS253, GHS254, GHS255, GHS256, GHS257, GHS258, GHS259, GHS260, GHS261, GHS262, GHS263, GHS264, GHS265, GHS266, GHS267, GHS268, GHS269, GHS270, GHS271, GHS272, GHS273, GHS274, GHS275, GHS276, GHS277, GHS278, GHS279, GHS280, GHS281, GHS282, GHS283, GHS284, GHS285, GHS286, GHS287, GHS288, GHS289, GHS290, GHS291, GHS292, GHS293, GHS294, GHS295, GHS296, GHS297, GHS298, GHS299, GHS300, GHS301, GHS302, GHS303, GHS304, GHS305, GHS306, GHS307, GHS308, GHS309, GHS310, GHS311, GHS312, GHS313, GHS314, GHS315, GHS316, GHS317, GHS318, GHS319, GHS320, GHS321, GHS322, GHS323, GHS324, GHS325, GHS326, GHS327, GHS328, GHS329, GHS330, GHS331, GHS332, GHS333, GHS334, GHS335, GHS336, GHS337, GHS338, GHS339, GHS340, GHS341, GHS342, GHS343, GHS344, GHS345, GHS346, GHS347, GHS348, GHS349, GHS350, GHS351, GHS352, GHS353, GHS354, GHS355, GHS356, GHS357, GHS358, GHS359, GHS360, GHS361, GHS362, GHS363, GHS364, GHS365, GHS366, GHS367, GHS368, GHS369, GHS370, GHS371, GHS372, GHS373, GHS374, GHS375, GHS376, GHS377, GHS378, GHS379, GHS380, GHS381, GHS382, GHS383, GHS384, GHS385, GHS386, GHS387, GHS388, GHS389, GHS390, GHS391, GHS392, GHS393, GHS394, GHS395, GHS396, GHS397, GHS398, GHS399, GHS400, GHS401, GHS402, GHS403, GHS404, GHS405, GHS406, GHS407, GHS408, GHS409, GHS410, GHS411, GHS412, GHS413, GHS414, GHS415, GHS416, GHS417, GHS418, GHS419, GHS420, GHS421, GHS422, GHS423, GHS424, GHS425, GHS426, GHS427, GHS428, GHS429, GHS430, GHS431, GHS432, GHS433, GHS434, GHS435, GHS436, GHS437, GHS438, GHS439, GHS440, GHS441, GHS442, GHS443, GHS444, GHS445, GHS446, GHS447, GHS448, GHS449, GHS450, GHS451, GHS452, GHS453, GHS454, GHS455, GHS456, GHS457, GHS458, GHS459, GHS460, GHS461, GHS462, GHS463, GHS464, GHS465, GHS466, GHS467, GHS468, GHS469, GHS470, GHS471, GHS472, GHS473, GHS474, GHS475, GHS476, GHS477, GHS478, GHS479, GHS480, GHS481, GHS482, GHS483, GHS484, GHS485, GHS486, GHS487, GHS488, GHS489, GHS490, GHS491, GHS492, GHS493, GHS494, GHS495, GHS496, GHS497, GHS498, GHS499, GHS500, GHS501, GHS502, GHS503, GHS504, GHS505, GHS506, GHS507, GHS508, GHS509, GHS510, GHS511, GHS512, GHS513, GHS514, GHS515, GHS516, GHS517, GHS518, GHS519, GHS520, GHS521, GHS522, GHS523, GHS524, GHS525, GHS526, GHS527, GHS528, GHS529, GHS530, GHS531, GHS532, GHS533, GHS534, GHS535, GHS536, GHS537, GHS538, GHS539, GHS540, GHS541, GHS542, GHS543, GHS544, GHS545, GHS546, GHS547, GHS548, GHS549, GHS550, GHS551, GHS552, GHS553, GHS554, GHS555, GHS556, GHS557, GHS558, GHS559, GHS560, GHS561, GHS562, GHS563, GHS564, GHS565, GHS566, GHS567, GHS568, GHS569, GHS570, GHS571, GHS572, GHS573, GHS574, GHS575, GHS576, GHS577, GHS578, GHS579, GHS580, GHS581, GHS582, GHS

