**DWSIM物性库信息**

物质种类：431种

物质种类明细：

'Air', 'Argon', 'Bromine', 'Carbon tetrachloride', 'Carbon monoxide', 'Carbon dioxide', 'Carbon disulfide', 'Phosgene', 'Trichloroacetyl chloride', 'Hydrogen chloride', 'Chlorine', 'Hydrogen iodide', 'Hydrogen', 'Water', 'Hydrogen sulfide', 'Ammonia', 'Neon', 'Nitric acid', 'Nitric oxide', 'Nitrogen dioxide', 'Nitrogen', 'Nitrous oxide', 'Oxygen', 'Sulfur dioxide', 'Sulfur trioxide', 'Chloroform', 'Hydrogen cyanide', 'Formaldehyde', 'Methyl

chloride', 'Methyl iodide', 'Methane', 'Methanol', 'Methylamine', 'Trichloroethylene', 'Dichloroacetyl chloride', 'Trichloroacetaldehyde', 'Acetylene',

'Dichloroacetaldehyde', 'Vinyl chloride', 'Acetyl chloride', '1,1,2-trichloroethane', 'Acetonitrile', 'Ethylene', '1,1-dichloroethane', '1,2-dichloroethane', 'Acetaldehyde', 'Ethylene oxide', 'Acetic acid', 'Methyl formate', 'Ethyl chloride', 'Ethane', 'Ethanol', 'Dimethyl ether', 'Ethylene glycol', 'Dimethyl sulfide', 'Ethyl mercaptan', 'Ethylamine', 'Acrylonitrile', 'Methylacetylene', 'Propadiene', 'Propylene', 'Acetone', 'Ethyl formate', 'Methyl acetate', 'Propionic acid', 'N,n-dimethylformamide', 'Propane', 'Isopropanol', '1-propanol', 'Trimethylamine', 'Vinylacetylene', 'Thiophene', 'Methacrylonitrile', 'Dimethylacetylene', 'Ethylacetylene', '1,2-butadiene', '1,3-butadiene', '1-butene', 'Cis-2-butene', 'Trans-2-butene', 'Isobutene', '2-methylpropanal', 'Methyl ethyl ketone', 'Tetrahydrofuran', '1,4-dioxane', 'N-butyric acid', 'Ethyl acetate', 'Methyl propionate', 'N-propyl formate', 'Sulfolane', 'N,n-dimethylacetamide', 'N-butane', 'Isobutane', '1-butanol', '2-methyl-1-propanol', '2-butanol', '2-methyl-2-propanol', 'Diethyl ether', 'Diethylene glycol', 'Diethylamine', 'Furfural', 'Pyridine', 'Isoprene', 'Cyclopentane', '2-methyl-1-butene', '3-methyl-1-butene', '2-methyl-2-butene', '1-pentene', 'Cis-2-pentene', 'Trans-2-pentene', '3-pentanone', 'Methyl isopropyl ketone', 'N-propyl acetate', 'Isopentane', 'N-pentane', 'Neopentane', '1,2,4-trichlorobenzene', 'M-dichlorobenzene', 'O-dichlorobenzene', 'P-dichlorobenzene', 'Bromobenzene', 'Monochlorobenzene', 'Iodobenzene', 'Nitrobenzene', 'Benzene', 'Phenol', 'Aniline', 'Cyclohexanone', 'Cyclohexane', '1-hexene', 'Methylcyclopentane', 'Cyclohexanol', '2,2-dimethylbutane', '2,3-dimethylbutane',

'N-hexane', '2-methylpentane', '3-methylpentane', 'Triethylene glycol', 'Triethylamine', 'Toluene', 'M-cresol', 'O-cresol', 'P-cresol', 'Methylcyclohexane', 'Ethylcyclopentane', '1-heptene', 'N-heptane', 'Styrene', 'Ethylbenzene', 'M-xylene', 'O-xylene', 'P-xylene', 'Ethylcyclohexane', 'N-propylcyclopentane', 'N-octane', '2,2,3-trimethylpentane', '2,2,4-trimethylpentane', '2,3,3-trimethylpentane', '2,3,4-trimethylpentane', 'Tetraethylene glycol', 'Indene', 'Indane', 'Cumene', 'N-propylbenzene', 'N-propylcyclohexane', 'N-nonane', 'Naphthalene', '1-methylindene', '2-methylindene', 'Dicyclopentadiene', 'N-butylbenzene', 'N-butylcyclohexane', 'N-decane', '1-methylnaphthalene', '2-methylnaphthalene', 'N-undecane', 'Acenaphthene', 'Biphenyl', 'N-dodecane', 'Fluorene', 'N-tridecane', 'Phenanthrene', 'N-tetradecane', 'N-pentadecane', 'Fluoranthene', 'Pyrene', '1-phenylnaphthalene', 'N-hexadecane', 'Chrysene', 'Cis-decahydronaphthalene', 'Trans-decahydronaphthalene', 'Methyl tert-butyl ether', 'Methyl tert-pentyl ether', '2-methyl-2-butanol', 'Nitrogen trioxide', 'Nitrogen tetroxide', 'Helium-4', 'Fluorine', 'Krypton', 'Xenon', 'Ozone', 'Carbonyl sulfide', 'Sulfur hexafluoride', 'Dimethyl sulfoxide', 'N-heptadecane', 'N-octadecane', 'N-nonadecane', 'N-heneicosane', 'N-docosane', 'N-tricosane', 'N-tetracosane', 'N-pentacosane', 'N-hexacosane', 'N-heptacosane', 'N-octacosane', 'N-nonacosane', 'Squalane', '2-methylhexane', '3-methylhexane', '3-ethylpentane', '2,2-dimethylpentane', '2,3-dimethylpentane', '2,4-dimethylpentane', '3,3-dimethylpentane', '2,2,3-trimethylbutane', '2-methylheptane', '3-methylheptane', '4-methylheptane', '3-ethylhexane', '2,2-dimethylhexane', '2,3-dimethylhexane', '2,4-dimethylhexane', '2,5-dimethylhexane', '3,3-dimethylhexane', '3,4-dimethylhexane', '2-methyl-3-ethylpentane', '3-methyl-3-ethylpentane', '2,2,3,3-tetramethylbutane', '2,2,5-trimethylhexane', '2,4,4-trimethylhexane', '3,3-diethylpentane', '2,2,3,3-tetramethylpentane', '2,2,3,4-tetramethylpentane', '2,2,4,4-tetramethylpentane', '2,3,3,4-tetramethylpentane', '2-methyloctane', '3-methyloctane', '4-methyloctane', '3-ethylheptane', '2,2-dimethylheptane', '3,3,5-trimethylheptane', '2,2-dimethyloctane', '3-methylnonane', '2-methylnonane', '4-methylnonane', '5-methylnonane', 'Cis-2-hexene', 'Trans-2-hexene', '1-octene', '1-nonene', '1-undecene', '2-methyl-1-pentene', '4-methyl-cis-2-pentene', '4-methyl-trans-2-pentene',

'Cyclohexene', '1,1-dimethylcyclopentane', 'Cis-1,2-dimethylcyclopentane', 'Trans-1,2-dimethylcyclopentane', 'Cis-1,3-dimethylcyclopentane', 'Trans-1,3-dimethylcyclopentane', 'Isopropylcyclopentane', '1-methyl-1-ethylcyclopentane', 'N-butylcyclopentane', '1,1-dimethylcyclohexane', 'Cis-1,2-dimethylcyclohexane', 'Trans-1,2-dimethylcyclohexane', 'Cis-1,3-dimethylcyclohexane', 'Trans-1,3-dimethylcyclohexane', 'Cis-1,4-dimethylcyclohexane', 'Trans-1,4-dimethylcyclohexane', 'Tert-butylcyclohexane', 'O-ethyltoluene', 'M-ethyltoluene', 'P-ethyltoluene', '1,2,3-trimethylbenzene', '1,2,4-trimethylbenzene', 'Mesitylene', 'Isobutylbenzene', 'Sec-butylbenzene', 'Tert-butylbenzene', 'O-cymene', 'M-cymene', 'P-cymene', 'O-diethylbenzene', 'M-diethylbenzene', 'P-diethylbenzene', '1,2,3,4-tetramethylbenzene', '1,2,3,5-tetramethylbenzene', '1,2,4,5-tetramethylbenzene', '2-ethyl-m-xylene', '2-ethyl-p-xylene', '4-ethyl-m-xylene', '4-ethyl-o-xylene', '1-methyl-3-n-propylbenzene', '1-methyl-4-n-propylbenzene', 'P-diisopropylbenzene', 'Methyl isobutyl ketone', '3-heptanone', '4-heptanone', '3-hexanone', '2-pentanone', '2-hexanone', '2-heptanone', '5-methyl-2-hexanone', '3,3-dimethyl-2-butanone', 'Diisobutyl ketone', 'Diisopropyl ketone', 'Propanal', 'Butanal', 'Pentanal', 'Hexanal', 'Heptanal', 'Diisopropyl ether', 'Di-n-butyl ether', 'Di-sec-butyl ether', 'Methyl ethyl ether', 'Methyl n-propyl ether', 'Isopropyl butyl ether', 'Methyl isobutyl ether', 'Methyl isopropyl ether', 'Tert-butyl ethyl ether', 'Ethyl tert-pentyl ether', 'Butyl vinyl ether', 'Anisole', 'Isopropyl acetate', 'N-butyl acetate', 'Isobutyl acetate', 'N-pentyl acetate', 'Vinyl acetate', 'N-hexyl acetate', '1-pentanol', '2-pentanol', '2-methyl-1-butanol', '2,2-dimethyl-1-propanol', '1-hexanol', '1-heptanol', '1,4-butanediol', 'Methyl mercaptan', 'N-propyl mercaptan', 'Tert-butyl mercaptan', 'Isobutyl mercaptan', 'Sec-butyl mercaptan', 'N-hexyl mercaptan', 'Methyl ethyl sulfide', 'Methyl n-propyl

sulfide', 'Methyl t-butyl sulfide', 'Methyl t-pentyl sulfide', 'Di-n-propyl sulfide', 'Diethyl sulfide', 'Diethyl disulfide', 'Dimethyl disulfide', 'Di-n-propyl disulfide', 'Di-tert-butyl disulfide', 'Ethyl methyl disulfide', 'Ethyl propyl disulfide', 'Diphenyl disulfide', 'Monoethanolamine', 'Diethanolamine', 'Triethanolamine', 'Ethylenediamine', 'Diisopropylamine', 'N-aminoethyl piperazine', 'Diethylenetriamine', 'N-aminoethyl ethanolamine', 'P-phenylenediamine', 'Piperazine', 'Methylethanolamine', 'Dimethylethanolamine', 'Nitromethane', 'Nitroethane', '1-nitropropane', '2-nitropropane', '1-nitrobutane', 'O-nitrotoluene', 'P-nitrotoluene', 'M-nitrotoluene', '2,4-dinitrotoluene', '2,6-dinitrotoluene', '3,4-dinitrotoluene', '2,5-dinitrotoluene', '3,5-dinitrotoluene', '2,4,6-trinitrotoluene', 'Oxalic acid', 'Acrylic acid', 'Methacrylic acid', 'Benzoic acid', 'O-toluic acid', 'P-toluic acid', 'Salicylic acid', 'Adipic acid', 'Phthalic acid', 'Maleic acid', 'Terephthalic acid', 'Acetic anhydride', 'Maleic anhydride', 'Ketene', 'Methyl methacrylate', 'Dimethyl terephthalate', '1,2-propylene oxide', 'Cumene hydroperoxide', 'Propionitrile', 'Dimethyl carbonate', 'DiEthyl Carbonate', 'Methyl Ethyl Carbonate', 'Methyl Phenyl Carbonate', 'Ethyl Phenyl Carbonate', 'DiPhenyl Carbonate', 'Ethylene carbonate', 'Propylene carbonate', '2-methyl-1-heptene', '2-Methoxy-2-Methyl-Heptane', '2-Methyl-2-Heptanol', 'Methylal', 'Methyl DiEthanolAmine', 'Diethylethanolamine', 'Diisopropanolamine', 'Cyclobutane', 'Isopropyl mercaptan', 'Glycerol', 'N-eicosane', 'DiButyl Carbonate'

**物性明细：**

'LibraryIndex', 'CompoundID', 'StructureFormula', 'Family', 'CriticalTemperature', 'CriticalPressure', 'CriticalVolume', 'CriticalCompressibility', 'NormalBoilingPointTemperature', 'NormalMeltingPointTemperature', 'TriplePointTemperature', 'TriplePointPressure', 'MolecularWeight', 'LiquidVolumeAtNormalBoilingPoint', 'AcentricityFactor', 'SolubilityParameter', 'DipoleMoment', 'HeatOfFormation', 'GibbsEnergyOfFormation', 'AbsEntropy', 'HeatOfFusionAtMeltingPoint', 'HeatOfCombustion', 'LiquidDensity', 'VaporPressure', 'HeatOfVaporization', 'LiquidHeatCapacityCp', 'IdealGasHeatCapacityCp', 'SecondVirialCoefficient', 'LiquidViscosity', 'VaporViscosity', 'LiquidThermalConductivity', 'VaporThermalConductivity', 'RPPHeatCapacityCp', 'RelativeStaticPermittivity', 'AntoineVaporPressure', 'LiquidViscosityRPS', 'COSTALDVolume', 'DiameterLJ', 'EnergyLJ', 'RacketParameter', 'FullerVolume', 'Parachor',

'SpecificGravity', 'Charge', 'CostaldAcentricFactor', 'WilsonVolume', 'ChaoSeaderAcentricFactor', 'ChaoSeaderSolubilityParameter', 'ChaoSeaderLiquidVolume', 'CAS'