

BMW Z4 (DATE 04/2023)	
<p>The BMW Group is committed to sustainable principles and is therefore taking proactive measures to avoid certain chemicals in the production of our vehicles. Due to that only substances that are technically required in the product are still contained. The substances are incorporated in such a way that potential exposure to the customers is minimised, and danger for humans or the environment can be excluded as long as the vehicle and its parts are used as intended, and any repairs, servicing and maintenance are carried out following technical instructions for those activities, and industry standard good practices. Safe use of the product is described in the owner manual that is consistent with our own commitment to promote the responsible manner of use of our products. Our information on repair and servicing of vehicles and genuine parts also includes safe use information for service personnel. An end-of-life vehicle may only be disposed of legally in the European Union at an Authorised Treatment Facility (ATF). Vehicle parts should be disposed in accordance with locally applicable laws and local authority guidance.</p>	
Communication of information according to Article 33 REACH	
<p>This product is composed of articles defined under Article 3(3) of the Regulation No. 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Any supplier shall comply with the duty to communicate information on substances in articles in accordance to Article 33. This product, including any article that the product is composed of, does contain substances meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (Typical use according to the REACH Annex XV Dossier).</p>	
Name of substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (Typical use according to the REACH Annex XV Dossier)	Location of article containing the substance in the product (Detailed, including optional equipment)
1,2-Dimethoxyethane, ethylene glycol dimethyl ether, EGDME (typically as process solvent and for surface treatment)	Drive Assistance (Radio-controlled locking system) Entertainment and Navigation (Anti-theft device)
1,3-Propanesulfone (Typically as electrolyte in batteries)	Wheels and tires (Car wheels)
6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol (typically for production of polymers and rubbers)	Body (Airbags) Entertainment and Navigation (Anti-theft device)
2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Chassis (Rear wheel brakes) Drive Assistance (Rear view camera) Electronic (Control units, moduls, Switch, sensor) Interior (Convertible top motor-operated, Front seats) Powertrain (Thermostat and engine mounted cooling lines)
2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives)	Chassis (Rear wheel brakes)
4,4'-Isopropylidenediphenol (typically for production of polymers and resins)	Electronic (Switch, sensor)
Diazene-1,2-dicarbonyl, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Bonnet latch, locks and fittings) Interior (Convertible top motor-operated, Front door trim panel with armrests, Mirrors, sun visors, ashtrays, trays)
Lead monoxide, lead oxide (typically as constituent of electronic components)	Body (Air guides, Window mechanism with electrical control in front door) Chassis (Anti-block system, Lateral moment distribution rear axle, Self-leveling elements for hydro-pneumatic system electrical components, Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, Heading control, Rear view camera, Time-to-line crossing external camera) Electronic (Battery with holder, Brake lights, Control units, moduls, Front lamp cluster, Head-up Display, Inner lights, Instrument cluster, Switch, sensor, Windshield wipers) Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Heater with control, seat heating) Interior (Convertible top motor-operated, Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Carbon canister ventilation, Coolant pump with drive, Electronic switching or control devices, Fuel tank with filler pipe, Sensor for injection control unit, Thermostat and engine mounted cooling lines, Variable valve train, Ventilation, evaporation emission control)
Silicic acid, lead salt (Typically for production of glass and ceramics)	Electronic (Instrument cluster)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Body (Air guides, Boot lid latch, locks and fittings) Chassis (Anti-block system) Drive Assistance (Distance warning systems, Time-to-line crossing external camera) Electronic (Battery with holder, Brake lights, Control units, moduls, Instrument cluster, Switch, sensor, Windshield wipers) Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Air conditioner) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Manual transmission, Variable valve train)
Boric acid (Typically for production of glass and ceramics and as flame retardant)	Electronic (Windshield-washer unit)
Decamethylcyclotrisiloxane (Typically as feedstock for the production of silicone polymers)	Drive Assistance (Radio-controlled locking system) Powertrain (Engine cooler with mounting) Powertrain/Chassis (Board equipment)
Dicyclohexyl phthalate (Typically as plasticizer for production of polymers)	Powertrain (Engine cooler with mounting)
Dodecamethylcyclotrisiloxane (Typically as feedstock for the production of silicone polymers)	Powertrain (Engine cooler with mounting) Powertrain/Chassis (Board equipment)
Nonylphenol (Typically as dispersing agent in coatings, adhesives and paints)	Chassis (Pedals)
Octamethylcyclotetrasiloxane (Typically as feedstock for the production of silicone polymers)	Drive Assistance (Radio-controlled locking system) Heating and air conditioning (Heater with control, seat heating) Powertrain (Engine cooler with mounting) Powertrain/Chassis (Board equipment)
Tris(4-nonylphenyl, branched and linear) phosphite, TNPP (Typically for production of polymers and rubbers)	Chassis (Pedals)
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (Typically as flame retardant and as additive in plastics and resins)	Electronic (Battery with holder) Powertrain (Manual transmission)
Melamine (Typically used in coatings, inks, resins and polymers)	Interior (Front door trim panel with armrests, Front seats)
Medium-chain chlorinated paraffins (Typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Interior (Convertible top motor-operated)
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (Typically for adhesives, sealants, coatings and inks)	Chassis (Accelerator foot control) Electronic (Instrument cluster) Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Thermostat and engine mounted cooling lines)
2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate, DOTE (Typically for production of paints and polymers)	Body (External fittings)
Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (Typically as process solvent)	Chassis (Steering column) Electronic (Horn)
Hexahydro-4-methylphthalic anhydride (Typically for production of resins and polymers)	Electronic (Instrument cluster)
S-(Tricyclo(5.2.1.0 <sup>2,6</sup> )deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate (Typically used in lubricants)	Powertrain (Vacuum pump)
1,2-Dimethoxyethane, ethylene glycol dimethyl ether, EGDME (Typically as process solvent and for surface treatment)	Drive Assistance (Radio-controlled locking system) Entertainment and Navigation (Anti-theft device) Wheels and tires (Car wheels)
1,3-Propanesulfone (Typically as electrolyte in batteries)	Wheels and tires (Car wheels)
6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol (Typically for production of polymers and rubbers)	Body (Airbags) Entertainment and Navigation (Anti-theft device)
2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (Typically used in coatings, paints and fillers)	Chassis (Rear wheel brakes) Drive Assistance (Rear view camera) Electronic (Control units, moduls, Switch, sensor) Interior (Convertible top motor-operated, Front seats) Powertrain (Thermostat and engine mounted cooling lines)
2-Methylimidazole (Typically as hardener in epoxy resins and for production of adhesives)	Chassis (Rear wheel brakes)
4,4'-Isopropylidenediphenol (Typically for production of polymers and resins)	Electronic (Switch, sensor)
Diazene-1,2-dicarbonyl, ADCA (Typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Bonnet latch, locks and fittings) Interior (Convertible top motor-operated, Front door trim panel with armrests, Mirrors, sun visors, ashtrays, trays)
Lead monoxide, lead oxide (Typically as constituent of electronic components)	Body (Air guides, Window mechanism with electrical control in front door) Chassis (Anti-block system, Lateral moment distribution rear axle, Self-leveling elements for hydro-pneumatic system electrical components, Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, Heading control, Rear view camera, Time-to-line crossing external camera) Electronic (Battery with holder, Brake lights, Control units, moduls, Front lamp cluster, Head-up Display, Inner lights, Instrument cluster, Switch, sensor, Windshield wipers) Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Heater with control, seat heating) Interior (Convertible top motor-operated, Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Carbon canister ventilation, Coolant pump with drive, Electronic switching or control devices, Fuel tank with filler pipe, Sensor for injection control unit, Thermostat and engine mounted cooling lines, Variable valve train, Ventilation, evaporation emission control)
Silicic acid, lead salt (Typically for production of glass and ceramics)	Electronic (Instrument cluster)
Diboron trioxide (Typically for production of borosilicate and crystal glass)	Body (Air guides, Boot lid latch, locks and fittings) Chassis (Anti-block system) Drive Assistance (Distance warning systems, Time-to-line crossing external camera) Electronic (Battery with holder, Brake lights, Control units, moduls, Instrument cluster, Switch, sensor, Windshield wipers) Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Air conditioner) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Manual transmission, Variable valve train)
Boric acid (Typically for production of glass and ceramics and as flame retardant)	Electronic (Windshield-washer unit)
Decamethylcyclotrisiloxane (Typically as feedstock for the production of silicone polymers)	Drive Assistance (Radio-controlled locking system) Powertrain (Engine cooler with mounting) Powertrain/Chassis (Board equipment)
Dicyclohexyl phthalate (Typically as plasticizer for production of polymers)	Powertrain (Engine cooler with mounting)
Dodecamethylcyclotrisiloxane (Typically as feedstock for the production of silicone polymers)	Powertrain (Engine cooler with mounting) Powertrain/Chassis (Board equipment)
Nonylphenol (Typically as dispersing agent in coatings, adhesives and paints)	Chassis (Pedals)
Octamethylcyclotetrasiloxane (Typically as feedstock for the production of silicone polymers)	Drive Assistance (Radio-controlled locking system) Heating and air conditioning (Heater with control, seat heating) Powertrain (Engine cooler with mounting) Powertrain/Chassis (Board equipment)
Tris(4-nonylphenyl, branched and linear) phosphite, TNPP (Typically for production of polymers and rubbers)	Chassis (Pedals)
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (Typically as flame retardant and as additive in plastics and resins)	Electronic (Battery with holder) Powertrain (Manual transmission)
Melamine (Typically used in coatings, inks, resins and polymers)	Interior (Front door trim panel with armrests, Front seats)
Medium-chain chlorinated paraffins (Typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Interior (Convertible top motor-operated)
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (Typically for adhesives, sealants, coatings and inks)	Chassis (Accelerator foot control) Electronic (Instrument cluster) Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Thermostat and engine mounted cooling lines)
2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate, DOTE (Typically for production of paints and polymers)	Body (External fittings)
Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (Typically as process solvent)	Chassis (Steering column) Electronic (Horn)
Hexahydro-4-methylphthalic anhydride (Typically for production of resins and polymers)	Electronic (Instrument cluster)
S-(Tricyclo(5.2.1.0 <sup>2,6</sup> )deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate (Typically used in lubricants)	Powertrain (Vacuum pump)

The information provided in this document related to material and substance content represents our knowledge and belief, which may be based in whole or in part on available information provided by suppliers to us. Additional Information: Certain inorganic oxides are bound in glass or ceramic matrices that change their individual substance properties as well as their communication duties under REACH. Similar changes occur with certain precursors that are bound in polymers.