

BMW 4 Series Coupe (DATE 10/2022)

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 manufacturing, handling and 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.

Communication of information according to Article 33 REACH

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 (w/w). We inform that lead (CAS-No. 7439-92-1) is used in almost all products categories, primary as alloying element. Recycled aluminum and metals may contain lead as impurity.

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) Wheels and tires (Car wheels)
1,3-Propanesultone (typically as electrolyte in batteries)	Drive Assistance (Radio-controlled locking system) 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)
2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Drive Assistance (Radio-controlled locking system, Rear view camera) Electronic (Cable harness, Control units, moduls, Switch, sensor) Entertainment and Navigation (Antenna) Powertrain (Thermostat and engine mounted cooling lines)
2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives)	Chassis (Rear wheel brakes) Powertrain (Exhaust pipe with catalyst or complete system, DPF)
4,4'-Isopropylidenediphenol (typically for production of polymers and resins)	Body (Airbags) Electronic (Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player)
Diazene-1,2-dicarboxamide, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Colours, paints and basic material) Drive Assistance (Time-to-line crossing external camera) Interior (Side trim panel with armrests)
Lead monoxide, lead oxide (typically as constituent of electronic components)	Body (Air guides, Body trim) Chassis (Anti-block system, Brake boosters, Lateral moment distribution rear axle, Self-levelling elements for hydropneumatic 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, Fog lamps, additional lamps, Front lamp cluster, Head-up Display, Horn, Inner lights, Instrument cluster, Switch, sensor) Entertainment and Navigation (Antenna, Central display and control unit, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Alternator with drive and mountings, Automatic transmission, Carbon canister ventilation, Coolant pump with drive, Fuel tank with filler pipe, Housing ventilation, Injection control unit, Injection nozzles and tubing, Intake silencer, Selective catalytic reduction technology, Sensor for injection control unit, Supercharging contrivance with regulation, 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 (Head-up Display)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Body (Air guides, Body trim) Chassis (Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, Night Vision, Radio-controlled locking system, Time-to-line crossing external camera) Electronic (Battery with holder, Control units, moduls, Fog lamps, additional lamps, Front lamp cluster, Instrument cluster, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Air conditioner) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Coolant pump with drive, Housing ventilation, Injection control unit, Supercharging contrivance with regulation, Variable valve train)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Body (Boot lid latch, locks and fittings) Electronic (Head-up Display) Entertainment and Navigation (Video and tv-sets) Powertrain (Starter with mount)
Decamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers)	Communication (Off-hands mobile communication) Drive Assistance (Radio-controlled locking system) Powertrain (Engine cooler with mounting, Oil cooler lines, Oil filter and lines) Powertrain/Chassis (Board equipment)
Dicyclohexyl phthalate (typically as plasticizer for production of polymers)	Chassis (Rear wheel brakes) Electronic (Rear light cluster) Powertrain (Engine cooler with mounting)
Dodecamethylcyclohexasiloxane (typically as feedstock for the production of silicone polymers)	Powertrain (Coolant pump with drive, Exhaust gas recirculation) Powertrain/Chassis (Board equipment)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings) Chassis (Front axle suspension, Front wheel brakes, Rear axle suspension)
Octamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers)	Chassis (Accelerator foot control, Front axle suspension, Rear axle suspension) Drive Assistance (Radio-controlled locking system) Heating and air conditioning (Heater with control, seat heating) Powertrain (Engine cooler with mounting, Selective catalytic reduction technology) Powertrain/Chassis (Board equipment)
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1.6,9.02.13.05.10]octadeca-7,15 diene, "Dechlorane Plus"™ (typically as flame retardant)	Electronic (Switch, sensor)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	Heating and air conditioning (Auxiliary heater with control elements)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol, UV-328 (typically for production of UV-absorbing polymers and coatings)	Electronic (Head-up Display, Instrument cluster)
Cobalt(II) sulphate (typically for surface treatment)	Communication (Off-hands mobile communication)
Medium-chain chlorinated paraffins (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Powertrain (Coolants lines)
Lead titanium trioxide (typically as constituent of electronic components)	Drive Assistance (Adaptive cruise control)
Cobalt(II) nitrate hexahydrate (typically as additive in magnets for electronic assemblies)	Body (Safety belts)
4-Nonylphenol, branched and linear (typically as dispersing agent in coatings, adhesives and paints)	Powertrain (Selective catalytic reduction technology)
4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated (typically as dispersing agent in coatings, adhesives and paints)	Powertrain (Exhaust controls)
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (typically for adhesives, sealants, coatings and inks)	Chassis (Anti-block system) Electronic (Instrument cluster, Switch, sensor) 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 (Colours, paints and basic material, Loose car body components) Electronic (Control units, moduls, Windshield-washer unit)
Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (typically as process solvent)	Body (Boot lid latch, locks and fittings) Chassis (Steering column) Drive Assistance (Radio-controlled locking system) Electronic (Horn)
Hexahydro-4-methylphthalic anhydride (typically for production of resins and polymers)	Electronic (Instrument cluster)
Diocetyl tin dilaurate (typically for production of polymers, coating products, adhesives and sealants)	Powertrain (Automatic transmission)
Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate (typically as flame retardant in polycarbonate)	Communication (Off-hands mobile communication)
S-(Tricyclo[5.2.1.0 ^{2,6}]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.