

BMW 5 Series Sedan (DATE 07/2024)	
<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 minimized 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.</p>	
<p><b>Communication of information according to Article 33 REACH</b></p>	
<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 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.</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) Wheels and tires (Car wheels)
1,3-Propanesulfonic (typically as electrolyte in batteries)	Electronic (Battery with holder)
1-Methyl-2-pyrrolidone, NMP (typically for production of electronic equipment and coatings)	Powertrain (Fuel tank with filler pipe)
6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol (typically for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings, Safety belts) Chassis (Pressure accumulator and pump unit, Self-levelling elements for hydropneumatic system, Steering column) Electronic (Battery with holder) Heating and air conditioning (Heater with control, seat heating) Powertrain (Fuel lines)
2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Body (External fittings) Electronic (Auxiliary cable, Cable harness, High-voltage accumulator system, Potential equalization) Entertainment and Navigation (Antenna, Central display and control unit, Radio, amplifier, CD-player) Powertrain (Electric machine individual components)
2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives)	Entertainment and Navigation (Anti-theft device)
4,4'-Isopropylidenediphenol (typically for production of polymers and resins)	Entertainment and Navigation (Radio, amplifier, CD-player)
Diazene-1,2-dicarboxamide, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell) Electronic (Power distribution box, Jumper cable supports) Heating and air conditioning (Heater with control, seat heating)
Lead monoxide, lead oxide (typically as constituent of electronic components)	Body (Air guides, Bonnet latch, locks and fittings) Chassis (Self-levelling elements for hydropneumatic system electrical components, Steering column) Drive Assistance (Adaptive cruise control, Rear view camera) Electronic (Battery with holder, Control units, moduls, DC/DC-converter, Front lamp cluster, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Rear light cluster, Switch, sensor) Entertainment and Navigation (Antenna, Video and tv-sets) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements, Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Control Hybrides/E-drive, Coolant pump with drive, Electronic switching or control devices, Exhaust gas recirculation, Fuel tank with filler pipe, Housing ventilation, Injection control unit, Injection nozzles and tubing, Intake silencer, Sensor for injection control unit, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines, Transmission electric drive components, Variable valve train)
Silicic acid, lead salt (typically for production of glass and ceramics)	Communication (Off-hands mobile communication)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Body (Air guides, Windshield and rear window) Chassis (Self-levelling elements for hydropneumatic system electrical components) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control) Electronic (Battery with holder, DC/DC-converter, Front lamp cluster, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Potential equalization, Rear light cluster) Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements, Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Control Hybrides/E-drive, Coolant pump with drive, Electronic switching or control devices, Exhaust gas recirculation, Fuel tank with filler pipe, Housing ventilation, Selective catalytic reduction technology, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines, Variable valve train)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Electronic (Potential equalization) Powertrain (Starter with mount)
Decamethylcyclotrisiloxane (typically as feedstock for the production of silicone polymers)	Electronic (Auxiliary cable, Cable harness, High-voltage accumulator system, High-voltage battery individual components) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Alternator with drive and mountings, Control Hybrides/E-drive, Engine wiring harness, Exhaust controls, Housing cover, Transmission wiring harness)
Dicyclohexyl phthalate (typically as plasticizer for production of polymers)	Chassis (Steering column) Powertrain (Alternator with drive and mountings)
Dodecamethylcyclohexasiloxane (typically as feedstock for the production of silicone polymers)	Electronic (High-voltage accumulator system, High-voltage battery individual components) Powertrain (Alternator with drive and mountings, Carbon canister ventilation, Control Hybrides/E-drive, Exhaust gas recirculation, Housing cover, Sensor for injection control unit)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	Body (Bumper rear) Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Selective catalytic reduction technology)
Octamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers)	Electronic (Auxiliary cable, Cable harness, High voltage charging electronics, High-voltage accumulator system) Heating and air conditioning (Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Alternator with drive and mountings, Coolant pump with drive, Engine wiring harness, Housing cover, Transmission wiring harness)
Tris(4-nonylphenyl, branched and linear) phosphite, TNPP (typically for production of polymers and rubbers)	Chassis (Front wheel brakes) Electronic (DC/DC-converter) Heating and air conditioning (Air conditioner)
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (typically as flame retardant and additive in plastics and resins)	Drive Assistance (Heading control) Electronic (Brake lights) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Auxiliary heater with control elements, Heater with control, seat heating) Powertrain (Automatic transmission, Control Hybrides/E-drive, Coolant pump with drive, Exhaust gas recirculation, Sensor for injection control unit, Supercharging contrivance with regulation)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Catalytic converter with suspension, DPF)
Melamine (typically used in coatings, inks, resins and polymers)	Drive Assistance (Adaptive cruise control) Electronic (Auxiliary cable, Cable harness, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Switch, sensor) Entertainment and Navigation (Central display and control unit) Interior (Front door trim panel with armrests)
Medium-chain chlorinated paraffins (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Powertrain (Coolants lines)
Bumetritole (typically as plasticizer for production of polymers and paints)	Body (Bumper rear, Door locks, grab handles and front fittings, Door locks, grab handles and rear fittings, Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Chassis (Brake control (Hydraulic system), Self-levelling elements for hydropneumatic system) Drive Assistance (Radio-controlled locking system) E-Drive (Drive for window lifter) Electronic (Auxiliary cable) Heating and air conditioning (Air conditioner) Interior (Sliding roof) Powertrain (Ecu box/mounting, Fuel lines)
Bis(4-chlorophenyl)sulfone (typically for production of polymers and rubbers)	Powertrain (Supercharging contrivance with regulation)
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (typically as dispersing agent in coatings, adhesives, sealants, printing inks, fillers)	Body (Air guides, Badges, stickers, adhesive foils, External fittings) Chassis (Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control) Electronic (Brake lights, Front lamp cluster, High-voltage accumulator system, High-voltage battery individual components, Inner lights, Switch, sensor) Entertainment and Navigation (Central display and control unit, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Heater with control, seat heating, Nozzles, flow-out organs) Interior (Front seats, Side trim panel with armrests)
2-benzyl-2-dimethylamino-4'-morpholinobutylphenone (typically for adhesives, sealants, coatings and inks)	Chassis (Accelerator foot control) Drive Assistance (Rear view camera) Electronic (Control units, moduls, Potential equalization)
Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (typically as process solvent)	Electronic (Horn) Interior (Instrument panel)
2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one (typically as plasticizer for production of polymers and paints)	Heating and air conditioning (Air and water lines) Powertrain (Starter with mount)
<p>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.</p>	