

BMW 5 Series Young (L4E 52020)	
<p>The BMW Group is committed to sustainable principles and is therefore taking preventive 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 customer is minimized, and longer 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. Avoidance of the vehicle may only be disposed of legally in the European Union at an Authorized Treatment Facility (ATF). Vehicle parts should be disposed in accordance with locally applicable laws and local authority guidance.</p>	
<p><b>Composition of information according to Article 17 REACH</b></p>	
<p>This product is composed of articles defined under Article 3(1) of the Regulation (EC) No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Any supplier shall comply with the duty to communicate information on substances in articles in accordance with Article 33. This product, including any articles that the product is composed of, does not contain substances meeting the criteria in Article 17 and identified in accordance with Article 5(1) in a concentration above 0,1% weight by weight (w/w). We inform that lead (CAS-Nr. 7439-92-1) is used in almost all product categories, primarily in alloy elements. Recycled substances and metals may contain lead or impurity.</p>	
Name of substance meeting the criteria in Article 17 and identified in accordance with Article 5(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)	Wheels and tires (Car wheels)
1-Methyl-2-pyrrolidone, NMP (Typically for production of electronic equipment and coatings)	Body (Badges, stickers, adhesive foils) Entertainment and Navigation (Antenna) Powertrain (Fuel tank with filler pipe)
8,8'-Di-tert-butyl-2,2'-methylene-bis-prosol (typically for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings, Safety belts) Chassis (Anti-block system, Front axle suspension, Self-levelling elements for hydropneumatic system, Steering column) Electronic (Battery with holder, Control units, modules) Heating and air conditioning (Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays)
2-Methyl-1,4-methylthiophenyl-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Powertrain (Delivery, preparation and coolant measurement, control units, fuel pump, Electronic switching or control devices, Fuel lines) Chassis (Blinkers)
2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives)	Body (External fittings) Electronic (Auxiliary cable, Cable harness, Switch, sensor) Entertainment and Navigation (Antenna, Central display and control unit, Radio, amplifier, CD-player) Electronic (Battery with holder) Entertainment and Navigation (Anti-theft device) Heating and air conditioning (Auxiliary heater with control elements)
4,4'-bisopropylphenol (typically for production of polymers and resins)	Chassis (Anti-block system) Drive Assistance (Rear view camera) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements) Powertrain (Vibration damper)
Bis(o-dimethylbenzyl) peroxide (Typically used for production of polymers and as a processing aid and cross-linker in polymers)	Body (Air guides, Boot lid latch, locks and fittings) Chassis (Brake control (Hydraulic system), Front wheel brakes, Pressure accumulator and pump unit, Rear axle differential mounting, Steering column) Electronic (Battery with holder, Front lamp cluster, Windshield wipers) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements, Nozzles, flow-out organs) Powertrain (Automatic transmission, Coolant pump with drive, Engine cooler with mounting, Exhaust suspension, Expansion tank, Housing ventilation, Oil cooler lines, Selective catalytic reduction technology, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines, Vibration damper) Powertrain/Chassis (Board equipment) Wheels and tires (Car wheels)
Diazona-1,2-dicarboxamide, ADCA (Typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Boot lid latch, locks and fittings) Chassis (Steering column) Electronic (Control units, modules, Power distribution box, Jumper cable supports) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Heater with control, seat heating) Interior (Front door trim panel with armrests)
Silicic acid, lead salt (Typically for production of glass and ceramics)	Chassis (Anti-block system) Powertrain (Selective catalytic reduction technology)
Diboron trioxide (Typically for production of borosilicate and crystal glass)	Body (Windshield and rear window) Communication (Off-hands mobile communication) Electronic (Heat-up Display, Rear light cluster) Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Coolant pump with drive, Electronic switching or control devices, Selective catalytic reduction technology, Transmission wiring harness)
Boric acid (Typically for production of glass and ceramics and as flame retardant)	Chassis (Front axle suspension, Rear axle with mounting, wheel control) Electronic (Potential equalization) Powertrain (Camshaft adjustment, Coolant pump with drive, Starter with magnet)
Dicamethylcyclopentasiloxane (Typically as feedstock for the production of silicone polymers)	Chassis (Anti-block system) Electronic (Auxiliary cable, Control units, modules) Heating and air conditioning (Air conditioner) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Alternator with drive and mountings, Engine wiring harness, Exhaust controls, Heating cover, Injection nozzles and tubing, Oil pressure, -temperature, oil level indicator, Transmission wiring harness)
Dicyclohexyl phthalate (Typically as plasticizer for production of polymers)	Powertrain (Alternator with drive and mountings)
Dodecamethylcyclohexasiloxane (Typically as feedstock for the production of silicone polymers)	Chassis (Anti-block system, Steering column) Electronic (Control units, modules) Heating and air conditioning (Air conditioner) Powertrain (Alternator with drive and mountings, Coolant pump with drive, Exhaust gas recirculation, Housing cover, Injection nozzles and tubing)
Imidazolidine-2-thione (Typically for production of polymers and rubbers)	Body (Bumper rear) Chassis (Front axle suspension) Communication (Off-hands mobile communication) Heating and air conditioning (Auxiliary heater with control elements, Heater with control, seat heating) Powertrain (Selective catalytic reduction technology)
N,N-Dimethylacetamide (Typically as process solvent in polymer production)	Interior (Front seats)
Octamethylcyclotrisiloxane (Typically as feedstock for the production of silicone polymers)	Body (Boot lid latch, locks and fittings) Electronic (Auxiliary cable) 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, Heating cover, Injection nozzles and tubing, Transmission wiring harness) Chassis (Anti-block system electrical components, Electrical components (rear indicator))
Triphenyl phosphite (TPP), (Typically used for adhesives and sealants, coating products)	Electronic (Cable harness) Entertainment and Navigation (Video and tv-sets) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Housing cover)
Tris(4-nonylphenyl, branched and linear) phosphite, TNPP (Typically for production of polymers and rubbers)	Chassis (Front wheel brakes)
1,1'-(Ethane-1,2-diyl)bis[antibromobenzene], (Typically as dispersing agent in coatings, adhesives, sealants, fillers)	Body (Airbags, Bonnet latch, locks and fittings, Boot lid latch, locks and fittings, Bumper rear, Safety belts, Windshield and rear window) Chassis (Active rear axle kinematics, Steering gear) Electronic (Auxiliary cable, Battery with holder, Cable harness, Front lamp cluster, Head-up Display, Rear light cluster, Windshield-washer unit) Entertainment and Navigation (Antenna, Central display and control unit, Loudspeaker and cover, Video and tv-sets) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements, Heater with control, seat heating, Nozzles, flow-out organs) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Coolant pump with drive, Coolants lines, Engine wiring harness, Exhaust controls, Heating ventilation, Injection nozzles and tubing, Selective catalytic reduction technology, Thermostat and engine mounted cooling lines, Transmission wiring harness)
2,2',4,4'-tetrabromo-4,4'-isopropylidenebisphenol (Typically as flame retardant and as additive in plastics and resins)	Drive Assistance (Adaptive cruise control) Electronic (Front lamp cluster, Head-up Display) Entertainment and Navigation (Airbag-releasing device, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Auxiliary heater with control elements) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Coolant pump with drive, Exhaust gas recirculation, Injection control unit, Selective catalytic reduction technology, Sensor for injection control unit, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines)
Alumino-silicate Refractory Ceramic Fibres (Typically for heat insulation)	Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Catalyst with suspension, ODP)
Cobalt(II) sulphate (Typically for surface treatment)	Electronic (Rear window wipers)
Melamine (Typically used in coatings, inks, resins and polymers)	Electronic (Auxiliary cable, Cable harness, Switch, sensor) Entertainment and Navigation (Central display and control unit) Powertrain (Fuel tank with filler pipe)
Bismaleimide (Typically as plasticizer for production of polymers and paints)	Body (Air guides, Bumper rear, Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Chassis (Brake control (Hydraulic system), Pressure accumulator and pump unit) Communication (Off-hands mobile communication) E-Drive (Drive for wheel filler) Electronic (Auxiliary cable, Front lamp cluster, Switch, sensor) Entertainment and Navigation (Bracket communications scope) Heating and air conditioning (Air conditioner, Nozzles, flow-out organs) Interior (Mirrors, sun visors, ashtrays, trays, Side trim panel with armrests) Powertrain (ECU box/mounting)
4,4'-(2,2,2-trifluoro-1-hydroxyethylidene)bisphenol (Bisphenol A), (Typically used for formation and production of polymers & polymer processing)	Powertrain (Automatic transmission, Fuel tank with filler pipe, brake control, Supercharging contrivance with regulation, Trottle valve and control, Transmission housing mechanical attaching parts)
Bis(4-chlorophenyl)sulfone (Typically for production of polymers and rubbers)	Powertrain (Supercharging contrivance with regulation)
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (Typically as additive in plastic applications, for adhesives, sealants, coatings and inks)	Chassis (Anti-block system) Electronic (Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player)
Tris(2-methoxyethoxy)ethylene (Typically for production of polymers and rubbers)	Heating and air conditioning (Heater with control, seat heating) Body (Air guides, Badges, stickers, adhesive foils, External fittings) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control) Electronic (Control units, modules, Front lamp cluster, Inner lights, Switch, sensor) Entertainment and Navigation (Central display and control unit, Loudspeaker and cover, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Nozzles, flow-out organs) Interior (Front seats, Side trim panel with armrests)
2-(2H-benzotriazol-2-yl)-4,1,1,3,3-tetramethylbutylphenol (Typically as dispersing agent in coatings, adhesives, sealants, printing inks, fillers)	Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets)
2-Benzyl-2-dimethylamino-4-morpholinobutylphenone (Typically for adhesives, sealants, coatings and inks)	Heating and air conditioning (Nozzles, flow-out organs) Interior (Front seats, Side trim panel with armrests)
Bis(2-methoxyethoxy)ethyl ether, tetraglyme (Typically as process solvent)	Electronic (Horn) Interior (Instrument panel)
Potassium 1,1,2,2,3,3,4,4-nonafluorobutane-1-sulfonate (Typically as flame retardant in plastic resins)	Entertainment and Navigation (Antenna)
4,4'-dimethyl-2,2'-(4-methylphenylene)bis[1,4-bis(2-phenylbutan-1-onyl)phosphazene] (Typically as plasticizer for production of polymers and paints)	Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Air and water lines) Powertrain (Coolants lines, Starter with mount)

The information provided in this document related to material and substance content is based on generic indicators that change their individual substance properties as well as their communication routes under REACH. Similar changes occur with certain precursors that are bound in polymers.