

| BMW 5 Series Sedan (DATE 11/2024) | |
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| <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>Communication of information according to Article 33 REACH</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 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.</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) | Entertainment and Navigation (Anti-theft device) Wheels and tires (Car wheels) |
| 1,3-Propanesultone (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 (Steering column, Self-levelling elements for hydropneumatic system, Pressure accumulator and pump unit) Electronic (Battery with holder, Control units, moduls) Heating and air conditioning (Heater with control, seat heating) |
| 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers) | Powertrain (Fuel lines) Body (External fittings) |
| 2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives) | Electronic (Auxiliary cable) Entertainment and Navigation (Radio, amplifier, CD-player, Antenna, Central display and control unit) |
| 4,4'-Isopropylidenediphenol (typically for production of polymers and resins) | Entertainment and Navigation (Radio, amplifier, CD-player) |
| Bis(α,α-dimethylbenzyl) peroxide (typically used for production of polymers and as a processing aid and cross-linker in polymers) | Body (Air guides) Chassis (Steering column, Rear axle differential mounting, Front wheel brakes, Brake control (Hydraulic system), Pressure accumulator and pump unit) Electronic (Battery with holder, Windshield wipers, Front lamp cluster) Heating and air conditioning (Auxiliary heater with control elements, Nozzles, flow-out organs, Air conditioner) Powertrain (Vibration damper, Coolant pump with drive, Thermostat and engine mounted cooling lines, Supercharging contrivance with regulation, Selective catalytic reduction technology, Engine cooler with mounting, Expansion tank, Oil cooler lines, Exhaust suspension, Exhaust pipe with catalyst or complete system, DPF, Automatic transmission) |
| Diazene-1,2-dicarbonyl, ADCA (typically as blowing agent in plastic and rubber manufacturing) | Powertrain/Chassis (Board equipment) Wheels and tires (Car wheels) |
| Lead monoxide, lead oxide (typically as constituent of electronic components) | Body (Bodyshell) Chassis (Steering column) Electronic (Power distribution box, Jumper cable supports) |
| Diboron trioxide (typically for production of borosilicate and crystal glass) | Body (Bonnet latch, locks and fittings, Air guides) Chassis (Steering column, Anti-block system, Self-levelling elements for hydropneumatic system electrical components) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Heading control, Rear view camera) Electronic (Battery with holder, Switch, sensor, Control units, moduls, Windshield wipers, Instrument cluster, Front lamp cluster, Rear light cluster) Entertainment and Navigation (Antenna, Video and tv-sets, Airbag-releasing device) Heating and air conditioning (Heater with control, seat heating, Auxiliary heater with control elements, Air conditioner) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Variable valve train, Coolant pump with drive, Thermostat and engine mounted cooling lines, Exhaust gas recirculation, Electronic switching or control devices, Injection nozzles and tubing, Injection control unit, Sensor for injection control unit, Intake silencer, Fuel tank with filler pipe, Automatic transmission) |
| Boric acid (typically for production of glass and ceramics and as flame retardant) | Powertrain (Starter with mount) |
| Decamethylcyclotrasiloxane (typically as feedstock for the production of silicone polymers) | Electronic (Auxiliary cable) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Housing cover, Exhaust controls, Alternator with drive and mountings, Engine wiring harness, Transmission wiring harness, Injection nozzles and tubing) |
| 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) | Chassis (Steering column) Powertrain (Housing cover, Coolant pump with drive, Exhaust gas recirculation, Alternator with drive and mountings, Injection nozzles and tubing, Sensor for injection control unit, Carbon canister ventilation) |
| Imidazolidine-2-thione (typically for production of polymers and rubbers) | Body (Bumper rear) Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Carbon canister ventilation, Selective catalytic reduction technology) |
| Octamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers) | Electronic (Auxiliary cable) Heating and air conditioning (Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Housing cover, Coolant pump with drive, Alternator with drive and mountings, Engine wiring harness, Transmission wiring harness, Injection nozzles and tubing) |
| Tris(4-nonylphenyl, branched and linear) phosphite, TNPP (typically for production of polymers and rubbers) | Chassis (Front wheel brakes) Heating and air conditioning (Air conditioner) Chassis (Anti-block system) |
| 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (typically as flame retardant and as additive in plastics and resins) | Drive Assistance (Heading control) Electronic (Switch, sensor, Brake lights) Entertainment and Navigation (Radio, amplifier, CD-player, Airbag-releasing device) Heating and air conditioning (Heater with control, seat heating, Auxiliary heater with control elements) Powertrain (Coolant pump with drive, Supercharging contrivance with regulation, Exhaust gas recirculation, Sensor for injection control unit, Automatic transmission) |
| Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation) | Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Catalyst with suspension, DPF) |
| Melamine (typically used in coatings, inks, resins and polymers) | Drive Assistance (Adaptive cruise control) Electronic (Auxiliary cable, Switch, sensor) Entertainment and Navigation (Central display and control unit) |
| Medium-chain chlorinated paraffins (typically as flame retardant and as additive in plastics, sealants, rubber, textiles) | Interior (Front door trim panel with armrests) |
| Bumetritolone (typically as plasticizer for production of polymers and paints) | Powertrain (Coolants lines) 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) E-Drive (Drive for window lifter) Electronic (Auxiliary cable) Heating and air conditioning (Air conditioner) Interior (Mirrors, sun visors, ashtrays, trays, 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 (External fittings, Badges, stickers, adhesive foils, Air guides) Chassis (Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control) Electronic (Switch, sensor, Front lamp cluster, Brake lights, Inner lights) Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets, Central display and control unit) Heating and air conditioning (Heater with control, seat heating, Nozzles, flow-out organs) Interior (Side trim panel with armrests, Front seats) |
| 2-benzyl-2-dimethylamino-4'-morpholinobutylphenone (typically for adhesives, sealants, coatings and inks) | Chassis (Anti-block system, Accelerator foot control) Drive Assistance (Rear view camera) Electronic (Control units, moduls) Interior (Mirrors, sun visors, ashtrays, trays) |
| 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) |

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.