

BMW 5 Series Berline (DATE 11/2024)	
<p>Le BMW Group souscrit aux principes fondamentaux de la durabilité et prend activement des mesures destinées à éviter certains produits chimiques dans la production de véhicules. De ce fait, les produits ne comportent que les substances qui sont indispensables pour des raisons techniques. Ces substances sont liées dans les matériaux et l'émission possible est limitée à un minimum lors d'une utilisation conforme. Par conséquent, un risque pour l'homme et pour l'environnement à ce sujet peut être exclu selon toute probabilité. Le véhicule et ses pièces sont utilisés aux fins prévues et conformément à la notice d'utilisation et que les mesures d'entretien et les réparations soient effectuées conformément aux normes en vigueur, par du personnel formé respectant les consignes techniques. L'utilisation sûre du produit est expliquée dans sa notice d'utilisation. Cette notice reflète notre désir d'encourager la fabrication, l'usinage et l'utilisation saines de nos produits. Nos notices et informations concernant la réparation et les tâches d'entretien ainsi que les pièces de rechange d'origine BMW comportent en outre des consignes de sécurité à respecter par le personnel d'entretien. Conformément aux réglementations en vigueur dans l'UE, un véhicule en fin de vie ne doit être traité que par un établissement homologué pour ce genre d'opération. Les pièces du véhicule doivent alors être démontées en accord avec les lois régionales et les autorités compétentes au niveau régional.</p>	
<p>Mise à disposition d'informations en vertu de l'article 33 du règlement REACH</p>	
<p>Le présent véhicule est composé de produits qui sont définis par l'article 3(3) du règlement 1907/2006 du Parlement européen et du Conseil concernant l'enregistrement, l'évaluation et l'autorisation des substances chimiques ainsi que les restrictions applicables à ces substances (REACH). En vertu de l'article 33, chaque fournisseur est tenu de mettre à disposition des informations sur les substances se trouvant dans les produits. Le présent véhicule, y compris tous les produits qui le composent, renferme des substances qui sont classées en une concentration supérieure à 0,1 % du poids en vertu de l'article 59(1). Nous vous informons également que du plomb (numéro CAS 7439-92-1) est utilisé dans presque toutes les catégories de produits, principalement sous forme de composant d'alliage. Cette substance peut aussi être présente comme composant dans des matériaux métalliques recyclés.</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-Propanesulfonate (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) 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) Entertainment and Navigation (Radio, amplifier, CD-player, Antenna, Central display and control unit)
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)
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 (Variable valve train, 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) Powertrain/Chassis (Board equipment) Wheels and tires (Car wheels)
Diazene-1,2-dicarboxamide, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell) Chassis (Steering column) Electronic (Power distribution box, Jumper cable supports)
Lead monoxide, lead oxide (typically as constituent of electronic components)	Body (Bumper 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) Body (Windshield and rear window, Air guides) Chassis (Self-levelling elements for hydropneumatic system electrical components) Drive Assistance (Adaptive cruise control, Heading control, Rear view camera) Electronic (Battery with holder, Front lamp cluster, Rear light cluster) Entertainment and Navigation (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, Front seats) Powertrain (Variable valve train, Coolant pump with drive, Thermostat and engine mounted cooling lines, Exhaust gas recirculation, Fuel tank with filler pipe, Selective catalytic reduction technology, Automatic transmission, Transfer box)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Chassis (Self-levelling elements for hydropneumatic system electrical components) Drive Assistance (Adaptive cruise control, Heading control, Rear view camera) Electronic (Battery with holder, Front lamp cluster, Rear light cluster) Entertainment and Navigation (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, Front seats) Powertrain (Variable valve train, Coolant pump with drive, Thermostat and engine mounted cooling lines, Exhaust gas recirculation, Fuel tank with filler pipe, Selective catalytic reduction technology, Automatic transmission, Transfer box)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Powertrain (Starter with mount)
Decamethylcyclotrisiloxane (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) Chassis (Steering column) Powertrain (Alternator with drive and mountings)
Dicyclohexyl phthalate (typically as plasticizer for production of 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)
Dodecamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers)	Body (Bumper rear) Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Carbon canister ventilation, Selective catalytic reduction technology)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	Electronic (Auxiliary cable) Heating and air conditioning (Heater with control, seat heating)
Octamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers)	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-monylphenyl, 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) 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)
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (typically as flame retardant and as additive in plastics and resins)	Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Ecu box/mounting, Fuel lines)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	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) 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)
Bumetrizole (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) 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) Body (External fittings, Badges, stickers, adhesive foils, Air guides) Chassis (Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control)
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (typically as dispersing agent in coatings, adhesives, sealants, printing inks, fillers)	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'-morpholinobutyrophenone (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)
<p>Le présent document comprend des informations sur les matériaux et le contenu des substances qui sont basées sur nos propres connaissances et plus particulièrement sur les indications venant de notre chaîne d'approvisionnement. Information complémentaire : Certains oxydes anorganiques sont liés dans des structures de verre ou de céramique qui modifient les propriétés individuelles de leurs substances ainsi que l'obligation de déclaration dans le cadre de REACH. Une constatation semblable peut se produire pour des substances de départ qui sont liées dans le polymère.</p>	