

BMW Série 4 Gran Coupé (DATE 11/2024)	
<p>Le BMW Group soutient les 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 limitées à un maximum lors d'une utilisation normale. Par conséquent, un risque pour l'homme et pour l'environnement à ce sujet peut être exclu selon toute probabilité. Cela inclut que le véhicule et ses pièces soient 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'usage et l'utilisation responsables de l'environnement de nos produits. Nos notices et informations concernent la réparation et les tâches d'entretien ainsi que les pièces de rechange d'origine BMW composant 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 éliminées en accord avec les lois régionales et les autorités compétentes au niveau régional.</p>	
Mise à disposition d'informations en vertu de l'article 33 du règlement REACH	
<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 fabricant 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 répondent aux critères de l'article 57 et ont été identifiées en une concentration supérieure à 0,1 % du poids en vrac de l'article 58(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 58(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-Diméthoxyéthane, éthylène glycol diméthyl éther, 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-Propanesulfone (typically as electrolyte in batteries)	Drive Assistance (Radio-controlled locking system)
6,6'-Di-tert-butyl-2,2'-méthylène-di-p-crésol (typically for production of polymers and rubbers)	Body (Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door, Safety belts, Airbags) Chassis (Steering column, Pressure accumulator and pump unit) Electronic (Control units, modules) Entertainment and Navigation (Anti-theft device) Interior (Front seats) Powertrain (Thermostat and engine mounted cooling lines)
2-Méthyl-1-(4-méthylthiophényl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Electronic (Cable harness, Switch, sensor, Control units, moduls, Front lamp cluster) Entertainment and Navigation (Radio, amplifier, CD-player, Antenna) Powertrain (Coolant pump with drive, Thermostat and engine mounted cooling lines, Exhaust gas recirculation)
2-Méthylimidazole (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)	Communication (Off-hands mobile communication) Entertainment and Navigation (Radio, amplifier, CD-player)
Bis(α,α-diméthylbenzyl) peroxyde (typically used for production of polymers and as a processing aid and cross-linker in polymers)	Body (Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Chassis (Steering column, Rear axle with mounting, wheel control, Front wheel brakes, Brake control (Hydraulic system), Brake boosters, Anti-block system, Pedals) Electronic (Windshield wipers) Heating and air conditioning (Auxiliary heater with control elements, Air conditioner) Powertrain (Oil pump with strainer and drive, Coolant pump with drive, Thermostat and engine mounted cooling lines, Supercharging contrivance with regulation, Exhaust gas recirculation, Starter with mount, Selective catalytic reduction technology, Expansion tank, Exhaust suspension, Exhaust pipe with catalyst or complete system, DPF, Engine suspension) Powertrain/Chassis (Board equipment) Wheels and tires (Car wheels)
Diazène-1,2-dicarboxamide, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell) Interior (Side trim panel with armrests)
Lead monoxide, lead oxide (typically as constituent of electronic components)	Body (Air guides) Chassis (Steering column, Brake boosters, Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Distance warning systems, Adaptive cruise control, Heading control, Rear view camera) Electronic (Switch, sensor, Control units, moduls, Instrument cluster, Head-up Display, Rear light cluster, Brake lights, Inner lights) Entertainment and Navigation (Radio, amplifier, CD-player, Antenna, Video and tv-sets) 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, Electronic switching or control devices, Alternator with drive and mountings, Injection nozzles and tubing, Injection control unit, Sensor for injection control unit, Intake silencer, Carbon canister ventilation, Fuel tank with filter pipe, Ventilation, evaporation emission control, Selective catalytic reduction technology, Automatic transmission)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Body (Air guides) Chassis (Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Radio-controlled locking system, Adaptive cruise control) Electronic (Control units, moduls) Entertainment and Navigation (Video and tv-sets) 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, Exhaust gas recirculation, Electronic switching or control devices, Automatic transmission)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Powertrain (Starter with mount)
Decaméthylcyclopentasiloxane (typically as feedstock for the production of silicone polymers)	Body (Window mechanism with electrical control in front door) Drive Assistance (Radio-controlled locking system) Powertrain (Housing cover, Oil filter and lines, Thermostat and engine mounted cooling lines, Alternator with drive and mountings, Starter cable, Transmission wiring harness, Injection nozzles and tubing, Engine cooler with mounting, Oil cooler lines)
Dicyclohexyl phthalate (typically as plasticizer for production of polymers)	Body (Airbags) Chassis (Rear wheel brakes) Electronic (Rear light cluster) Powertrain (Alternator with drive and mountings, Engine cooler with mounting)
Dodecaméthylcyclohexasiloxane (typically as feedstock for the production of silicone polymers)	Powertrain (Housing cover, Coolant pump with drive, Exhaust gas recirculation, Alternator with drive and mountings, Starter cable, Injection nozzles and tubing, Sensor for injection control unit, Carbon canister ventilation, Engine cooler with mounting)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	Chassis (Front axle suspension, Front wheel brakes) Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Carbon canister ventilation)
Octaméthylcyclotétrasiloxane (typically as feedstock for the production of silicone polymers)	Body (Window mechanism with electrical control in front door) Drive Assistance (Radio-controlled locking system) Heating and air conditioning (Heater with control, seat heating) Powertrain (Housing cover, Alternator with drive and mountings, Starter cable, Transmission wiring harness, Injection nozzles and tubing, Engine cooler with mounting)
Tris(4-nonylphényl, branched and linear) phosphite, TNPP (typically for production of polymers and rubbers)	Heating and air conditioning (Air conditioner)
2,2',6,6'-tétrabromo-4,4'-isopropylidenediphenol (typically as flame retardant and as additive in plastics and resins)	Body (Bumper rear) Chassis (Steering column, Rear axle differential, Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control) Electronic (Switch, sensor, Control units, moduls, Inner lights) Entertainment and Navigation (Radio, amplifier, CD-player, Airbag-releasing device) Heating and air conditioning (Auxiliary heater with control elements) Interior (Front seats) Powertrain (Thermostat and engine mounted cooling lines, Intake manifold, Supercharging contrivance with regulation, Exhaust gas recirculation, Electronic switching or control devices, Switch and relays, Sensor for injection control unit, Automatic transmission)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	Heating and air conditioning (Auxiliary heater with control elements)
Melamine (typically used in coatings, inks, resins and polymers)	Chassis (Steering gear) Electronic (Cable harness) Powertrain (Housing cover, Coolant pump with drive)
Medium-chain chlorinated paraffins (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Heating and air conditioning (Air and water lines) Interior (Insulating panel) Powertrain (Coolants lines)
Bumétrizole (typically as plasticizer for production of polymers and paints)	Body (Door locks, grab handles and front fittings, Loose car body components, Sealings) Chassis (Brake control (Hydraulic system), Anti-block system) Electronic (Auxiliary cable) Entertainment and Navigation (Central display and control unit) Heating and air conditioning (Nozzles, flow-out organs)
Bis(4-chlorophényl)sulfone (typically for production of polymers and rubbers)	Powertrain (Supercharging contrivance with regulation, Exhaust gas recirculation)
4-Nonylphénol, branched and linear (typically as dispersing agent in coatings, adhesives and paints)	Powertrain (Selective catalytic reduction technology)
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tétraméthylbutylphénol) (typically as dispersing agent in coatings, adhesives, sealants, printing inks, fillers)	Body (External fittings, Air guides) Chassis (Steering column) Communication (Off-hands mobile communication) Electronic (Switch, sensor, Front lamp cluster, Rear light cluster, Inner lights) Entertainment and Navigation (Radio, amplifier, CD-player, Loudspeaker and cover, Video and tv-sets) Interior (Instrument panel)
4-(1,1,3,3-Tétraméthylbutylphénol) éthoxylate (typically as dispersing agent in coatings, adhesives and paints)	Powertrain (Exhaust controls)
2-Dényl-2-diméthylamino-4'-morpholinobutylphénone (typically for adhesives, sealants, coatings and inks)	Chassis (Anti-block system) Powertrain (Thermostat and engine mounted cooling lines)
Bis(2-(2-méthoxyéthoxy)éthyl)éther, tétraglyme (typicaly as process solvent)	Chassis (Steering column) Drive Assistance (Radio-controlled locking system) Electronic (Horn) Powertrain (Automatic transmission)
Dioctyltin tétraurate (typicaly for production of polymers, coating products, adhesives and sealants)	Powertrain (Automatic transmission)
2-(diméthylamino)-2-[(4-méthylphényl)méthyl]-1-[4-(morpholin-4-yl)phényl]butan-1-one (typicaly as plasticizer for production of polymers and paints)	Chassis (Front axle suspension) Entertainment and Navigation (Video and tv-sets)
S-(Tricyclo(5,2,1,0' ² ,0' ²)déca-3-en-8-(or 9)-yl O-(isopropyl or isobutyl or 2-éthylhexyl) O-(isopropyl or isobutyl or 2-éthylhexyl) phosphorodithioate (typicaly used in lubricants)	Powertrain (Vacuum pump)
<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 consultation soignée peut se produire pour des substances de départ qui sont liées dans le polymère.</p>	