

BMW Série 4 Cabriolet (DATE 11/2024)	
<p>Le BMW Group soustrait 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 pas les substances qui sont indispensables pour des raisons techniques. Ces substances sont éliminées 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. 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 résume notre désir d'encourager la fabrication, l'usage et le recyclage 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 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 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, entrent des substances qui répondent aux critères de l'article 37 et ont été identifiées en une concentration supérieure à 0,1 % du poids en vertu de l'article 3(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 37 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-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-cresol (typically for production of polymers and rubbers)	Body (Airbags, Safety belts, Slide window in body electrically operated, Window mechanism with electrical control in front door) Chassis (Steering column) Electronic (Control units, moduls) Entertainment and Navigation (Anti-theft device) Interior (Convertible top motor-operated, Front seats)
2-Méthyl-1-(4-méthylthiophényl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Chassis (Rear wheel brakes) Drive Assistance (Radio-controlled locking system, Rear view camera) Electronic (Control units, moduls, Front lamp cluster, Switch, sensor)
2-Méthylimidazole (typically as hardener in epoxy resins and for production of adhesives)	Entertainment and Navigation (Radio, amplifier, CD-player) Interior (Convertible top motor-operated) Powertrain (Coolant pump with drive, Exhaust gas recirculation, Thermostat and engine mounted cooling lines)
4,4'-isopropylidenediphenol (typically for production of polymers and resins)	Chassis (Rear wheel brakes) Powertrain (Exhaust pipe with catalyst or complete system, DPF) Communication (Off-hands mobile communication) Electronic (Switch, sensor) 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 (Side window in body electrically operated, Window mechanism with electrical control in front door) Chassis (Anti-block system, Brake boosters, Brake control (Hydraulic system), Front wheel brakes, Pedals, Steering column) Electronic (Brake lights, Fog lamps, additional lamps, Windshield wipers) Heating and air conditioning (Air conditioner) Powertrain (Coolant pump with drive, Engine suspension, Exhaust gas recirculation, Exhaust pipe with catalyst or complete system, DPF, Exhaust suspension, Expansion tank, Oil pump with strainer and drive, Selective catalytic reduction technology, Starter with mount, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines, Vibration damper) 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) Electronic (Brake lights) Interior (Flaps which are not part of the body, Mirrors, sun visors, ashtrays, trays, Partition wall trim panels, Side trim panel with armrests)
Lead monoxide, lead oxide (typically as constituent of electronic components)	Body (Air guide) Chassis (Anti-block system, Brake boosters, Steering column) Drive Assistance (Adaptive cruise control, Distance warning systems, Heading control, Rear view camera) Electronic (Brake lights, Control units, moduls, Fog lamps, additional lamps, Head-up Display, Inner lights, Instrument cluster, Rear light cluster, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Heater with control, seat heating) Interior (Convertible top motor-operated, Front seats, Mirrors, sun visors, ashtrays, trays, Side trim panel with armrests) Powertrain (Alternator with drive and mountings, Automatic transmission, Carbon canister ventilation, Coolant pump with drive, Electronic switching or control devices, Exhaust gas recirculation, Fuel tank with filler pipe, Injection control unit, Injection nozzles and tubing, Intake silencer, Selective catalytic reduction technology, Sensor for injection control unit, Thermostat and engine mounted cooling lines, Variable valve train, Ventilation, excretion emission control)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Body (Air guides, Airbags) Chassis (Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Radio-controlled locking system) Electronic (Control units, moduls, Fog lamps, additional lamps) Entertainment and Navigation (Anti-theft device, Video and tv-sets) Heating and air conditioning (Air conditioner) Interior (Front seats, Mirrors, sun visors, ashtrays, trays)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Powertrain (Automatic transmission, Coolant pump with drive, Electronic switching or control devices, Exhaust gas recirculation, Transfer box, Variable valve train)
Decaméthylcyclotérasiloxane (typically as feedstock for the production of silicone polymers)	Powertrain (Starter with mount)
Dicyclohexyl phthalate (typically as plasticizer for production of polymers)	Drive Assistance (Radio-controlled locking system) Powertrain (Alternator with drive and mountings, Engine cooler with mounting, Housing cover, Injection nozzles and tubing, Oil cooler lines, Oil filter and lines, Starter cable, Transmission wiring harness)
Dodecaméthylcyclohexasiloxane (typically as feedstock for the production of silicone polymers)	Chassis (Rear wheel brakes) Electronic (Rear light cluster) Powertrain (Alternator with drive and mountings, Engine cooler with mounting)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	Powertrain (Alternator with drive and mountings, Carbon canister ventilation, Coolant pump with drive, Engine cooler with mounting, Exhaust gas recirculation, Housing cover, Injection nozzles and tubing, Sensor for injection control unit, Starter cable)
Octaméthylcyclotérasiloxane (typically as feedstock for the production of silicone polymers)	Chassis (Front axle suspension, Front wheel brakes) Interior (Flaps which are not part of the body) Powertrain (Carbon canister ventilation)
Tris(4-nonylphényl, branched and linear) phosphite, TNPP (typically for production of polymers and rubbers)	Drive Assistance (Radio-controlled locking system) Powertrain (Alternator with drive and mountings, Engine cooler with mounting, Housing cover, Injection nozzles and tubing, Starter cable, Transmission wiring harness)
2,2',6,6'-tétrabromo-4,4'-isopropylidenediphenol (typically as flame retardant and as additive in plastics and resins)	Heating and air conditioning (Air conditioner)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	Body (Bumper rear) Chassis (Anti-block system, Rear axle differential, Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control) Electronic (Control units, moduls, Inner lights, Switch, sensor)
Melamine (typically used in coatings, inks, resins and polymers)	Entertainment and Navigation (Airbag-releasing device, Radio, amplifier, CD-player) Heating and air conditioning (Auxiliary heater with control elements) Interior (Front seats) Powertrain (Automatic transmission, Exhaust gas recirculation, Intake manifold, Sensor for injection control unit, Supercharging contrivance with regulation, Switch and relays)
Medium-chain chlorinated paraffins (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Heating and air conditioning (Auxiliary heater with control elements)
Bumetizole (typically as plasticizer for production of polymers and paints)	Chassis (Steering gear) Powertrain (Coolant pump with drive, Housing cover) Wheels and tires (Car wheels)
Bis(4-chlorophényl)sulfone (typically for production of polymers and rubbers)	Powertrain (Coolants lines)
Barium diboran tétrazoïde (typically for production of paints and polymers)	Body (Bumper rear, Loose car body components) Chassis (Anti-block system, Brake control (Hydraulic system)) Electronic (Auxiliary cable) Entertainment and Navigation (Central display and control unit) Heating and air conditioning (Nozzles, flow-out organs)
4-Nonylphénol, branched and linear (typically as dispersing agent in coatings, adhesives and paints)	Powertrain (Exhaust gas recirculation, Supercharging contrivance with regulation)
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tétraméthylbutyl)phénol (typically as dispersing agent in coatings, adhesives, sealants, printing inks, fillers)	Interior (Convertible top motor-operated) Powertrain (Selective catalytic reduction technology)
2-benzyl-2-diméthylamino-4'-morpholinobutylphénone (typically for adhesives, sealants, coatings and inks)	Body (Air guides, External fittings) Chassis (Steering column) Communication (Off-hands mobile communication) Electronic (Fog lamps, additional lamps, Front lamp cluster, Inner lights, Rear light cluster, Switch, sensor) Entertainment and Navigation (Loudspeaker and cover, Radio, amplifier, CD-player, Video and tv-sets)
Bis(2-(2-méthoxyéthoxy)éthyl)éther, tétralyène (typical as process solvent)	Interior (Instrument panel) Chassis (Anti-block system) Powertrain (Thermostat and engine mounted cooling lines)
Dicyclicylol disulfate (typically for production of polymers, coating products, adhesives and sealants)	Chassis (Steering column) Drive Assistance (Radio-controlled locking system) Electronic (Horn) Powertrain (Automatic transmission)
2-(diméthylamino)-2-[(4-méthylphényl)méthyl]-1-[4-(morpholin-4-yl)phényl]butan-1-one (typically as plasticizer for production of polymers and paints)	Entertainment and Navigation (Video and tv-sets)
S-(Tricyclo(5.2.1.0 ^{2,6})deca-3-en-8(9)-yl) O-(isopropyl or isobutyl or 2-éthylhexyl) O-(isopropyl or isobutyl or 2-éthylhexyl) phosphorodithioate (typically used in lubricants)	Powertrain (Vacuum pump)

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 constellation semblable peut se produire pour des substances de départ qui sont liées dans le polymère.