

BMW 4 Series Gran Coupé (DATE 02/2022)	
<p>Il BMW Group s'impegna a rispettare i principi fondamentali della sostenibilità e adotta in modo proattivo misure atte a evitare determinate sostanze chimiche nella produzione di veicoli. Nei prodotti sono pertanto contenute solo le sostanze che sono indispensabili per ragioni tecniche. Tali sostanze sono impiegate incorporandole nei materiali, di modo che, previo un utilizzo conforme alla destinazione, la loro possibile emissione sia ridotta al minimo. È quindi possibile escludere con ogni probabilità un rischio per l'uomo e l'ambiente. Ciò presuppone che il veicolo e i suoi pezzi siano impiegati conformemente alla loro destinazione e alle istruzioni per l'uso e che le operazioni di manutenzione e riparazione siano eseguite da personale specializzato rispettando le specifiche tecniche e conformemente alle norme applicabili. La manipolazione sicura del prodotto è spiegata nelle sue istruzioni per l'uso. Tali istruzioni corrispondono alla nostra aspirazione di promuovere una fabbricazione, una lavorazione e un impiego responsabili dei nostri prodotti. Le nostre istruzioni e informazioni riguardanti la riparazione e la manutenzione e i pezzi di ricambio originali BMW contengono inoltre istruzioni per la sicurezza che il personale addetto all'assistenza è tenuto a rispettare. Conformemente ai requisiti di legge dell'Unione Europea, un veicolo fuori uso può essere smaltito esclusivamente in un'azienda autorizzata al riciclaggio e recupero di veicoli fuori uso. I pezzi dei veicoli vanno smaltiti conformemente alle leggi localmente in vigore e alle autorità locali competenti.</p>	
<p>Comunicazione di informazioni conformemente all'articolo 33 REACH</p>	
<p>Questo veicolo è composto di prodotti definiti dall'articolo 3(3) del Regolamento n° 1907/2006 del Parlamento Europeo e del Consiglio riguardante la registrazione, valutazione, autorizzazione e restrizioni di sostanze chimiche (REACH). Ai sensi dell'articolo 33, ogni fornitore ha l'obbligo di comunicare informazioni sulle sostanze presenti nei prodotti. Questo veicolo, compresi tutti i prodotti che lo compongono, contiene sostanze che soddisfano i criteri dell'articolo 57 e che ai sensi dell'articolo 59(1) sono state identificate in una concentrazione superiore allo 0,1% per cento in peso. Vi informiamo che il piombo (n° CAS 7439-92-1) è usato in quasi tutte le categorie di prodotti, principalmente come elemento di lega. Inoltre il piombo può essere contenuto in sostanze metalliche riciclate.</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)	Drive Assistance (Radio-controlled locking system) Entertainment and Navigation (Anti-theft device) Wheels and tires (Car wheels)
1,3-Propanesultone (typically as electrolyte in batteries)	Drive Assistance (Radio-controlled locking system) Wheels and tires (Car wheels)
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,13 diene, "Dechlorane Plus™" (typically as flame retardant)	Electronic (Switch, sensor) Powertrain (Engine cooler with mounting)
2-(2H-benzotriazol-2-yl)-4,6-ditertiphenileno, UV-328 (typically for production of UV-absorbing polymers and coatings)	Body (Bonnet latch, locks and fittings, Loose car body components) Chassis (Rear axle with mounting, wheel control) Electronic (Head-up Display, Rear light cluster)
2-benzyl-2-dimethylamino-4'-morpholinobutirophenone (typically for adhesives, sealants, coatings and inks)	Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets)
2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate, DOTE (typically for production of paints and polymers)	Body (Colours, paints and basic material, Loose car body components) Electronic (Control units, moduls, Windshield-washer unit)
2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Drive Assistance (Radio-controlled locking system, Rear view camera) Electronic (Cable harness, Control units, moduls, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Switch, sensor) Entertainment and Navigation (Antenna)
2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives)	Chassis (Rear wheel brakes) Electronic (High voltage charging electronics) Powertrain (Exhaust pipe with catalyst or complete system, DPF)
4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated (typically as dispersing agent in coatings, adhesives and paints)	Powertrain (Exhaust controls)
4,4'-Isopropylidenediphenol (typically for production of polymers and resins)	Body (Airbags) Electronic (High voltage charging electronics, Switch, sensor)
6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol (typically for production of polymers and rubbers)	Body (Airbags, Door locks, grab handles and front fittings, Door locks, grab handles and rear fittings)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	Heating and air conditioning (Auxiliary heater with control elements)
Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (typically as process solvent)	Chassis (Steering column) Drive Assistance (Radio-controlled locking system) Electronic (Horn)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Body (Boot lid latch, locks and fittings) Electronic (Head-up Display) Entertainment and Navigation (Video and tv-sets) Powertrain (Starter with mount)
Cobalt(II) sulphate (typically for surface treatment)	Communication (Off-hands mobile communication)
Cyclohexane-1,2-dicarboxylic anhydride (typically for production of resins and polymers)	Powertrain (Alternator with drive and mountings)
Decamethylcyclopentasiloxane (typically as feedstock for the production of silicone polymers)	Body (Window mechanism with electrical control in front door) Communication (Off-hands mobile communication) Drive Assistance (Radio-controlled locking system) Electronic (High voltage charging electronics) Heating and air conditioning (Air conditioner) Powertrain (Control Hybrides/E-drive, Engine cooler with mounting, Injection nozzles and tubing, Oil cooler lines, Oil filter and lines, Oil pressure, -temperature, oil level indicator, Sensor for injection control unit, Thermostat and engine mounted cooling lines, Transmission electric drive components) Powertrain/Chassis (Board equipment)
Diazene-1,2-dicarboxamide, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Bonnet latch, locks and fittings, Bumper rear, Colours, paints and basic material, Door locks, grab handles and front fittings, Loose car body components, Safety belts) Drive Assistance (Time-to-line crossing external camera) Electronic (Control units, moduls, Plug-connection cable, clamp, Power distribution box, Jumper cable supports) Entertainment and Navigation (Loudspeaker and cover) Interior (Floor, trunk, engine compartment trim, mats, Front door trim panel with armrests, Instrument panel, instrument cluster, Switch, sensor) Rear door trim panel with armrests, Rear seats, Side trim panel with armrests)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Body (Air guides, Body trim) Chassis (Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, Night Vision, Radio-controlled locking system, Time-to-line crossing external camera) Electronic (Battery with holder, Control units, moduls, Fog lamps, additional lamps, Front lamp cluster, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Instrument cluster, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Control Hybrides/E-drive, Coolant pump with drive, Injection control unit, Supercharging contrivance with regulation, Variable valve train)
Dicyclohexyl phthalate (typically as plasticizer for production of polymers)	Chassis (Rear wheel brakes) Electronic (Rear light cluster) Powertrain (Engine cooler with mounting, Gearbox electric drive)
Diocetylilin dilaurate (typically for production of polymers, coating products, adhesives and sealants)	Powertrain (Automatic transmission)
Dodecamethylcyclohexasiloxane (typically as feedstock for the production of silicone polymers)	Electronic (High voltage charging electronics) Powertrain (Control Hybrides/E-drive, Coolant pump with drive, Exhaust gas recirculation, Transmission electric drive components) Powertrain/Chassis (Board equipment)
Hexahydro-4-methylphthalic anhydride (typically for production of resins and polymers)	Powertrain (Alternator with drive and mountings)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings) Chassis (Front axle suspension, Front wheel brakes, Steering gear) Heating and air conditioning (Auxiliary heater with control elements) Body (Air guides, Body trim) Chassis (Anti-block system, Brake boosters, Lateral moment distribution rear axle, Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, Heading control, Rear view camera, Time-to-line crossing external camera) Electronic (Battery with holder, Brake lights, Control units, moduls, Fog lamps, additional lamps, Front lamp cluster, Head-up Display, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Horn, Inner lights, Instrument cluster, Switch, sensor)
Lead monoxide, lead oxide (typically as constituent of electronic components)	Entertainment and Navigation (Antenna, Central display and control unit, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Alternator with drive and mountings, Automatic transmission, Control Hybrides/E-drive, Coolant pump with drive, Fuel tank with filler pipe, Injection control unit, Injection nozzles and tubing, Selective catalytic reduction technology, Sensor for injection control unit, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines, Transmission electric drive components, Variable valve train)
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)
Octamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers)	Body (Window mechanism with electrical control in front door) Chassis (Accelerator foot control, Rear axle suspension) Drive Assistance (Radio-controlled locking system) Heating and air conditioning (Heater with control, seat heating) Powertrain (Coolant pump with drive, Engine cooler with mounting, Selective catalytic reduction technology) Powertrain/Chassis (Board equipment)
Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate (typically as flame retardant in polycarbonates)	Communication (Off-hands mobile communication)
S-(Tricyclo[5.2.1.0 ^{2,6}]deca-3-en-8(=9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate (typically used in lubricants)	Powertrain (Vacuum pump)
Silicic acid, lead salt (typically for production of glass and ceramics)	Electronic (Head-up Display)
Triethyl phosphate (typically as flame retardant in polymers)	Interior (Mirrors, sun visors, ashtrays, trays)

Le informazioni su materiale e contenuto delle sostanze fornite nel presente documento si basano sulle nostre conoscenze e in particolare sui dati provenienti dai nostri fornitori.
Informazione addizionale: determinati ossidi inorganici sono incorporati in strutture di vetro o ceramica che modificano le loro proprietà individuali di sostanza e i loro obblighi di comunicazione previsti da REACH. Una situazione simile può verificarsi per determinati precursori che sono legati in polimeri.