

BMW 8 Series Gran Coupé (DATE 07/2024)	
<p>El grupo BMW asume los principios básicos de la sostenibilidad tomando medidas de forma proactiva para evitar el uso de determinadas sustancias químicas en la producción de sus vehículos. Por ello, los productos solo contienen sustancias imprescindibles por razones técnicas. Estas sustancias están integradas en los materiales, de modo que su liberación queda reducida a un nivel mínimo siempre que el producto se use según lo previsto. Por esta razón, un peligro para seres humanos y para el medio ambiente se puede excluir con una certeza casi absoluta. Esto implica que el vehículo y sus componentes se usen según lo previsto y respetando las instrucciones de funcionamiento y que las medidas de mantenimiento y reparación sean realizadas por expertos siguiendo las normas técnicas y los métodos recomendados. El manejo seguro del producto se especifica en el correspondiente manual. Este manual refleja nuestro afán de fomentar la sostenibilidad tanto en la producción, la elaboración y el uso de nuestros productos. Nuestras instrucciones e informaciones referentes a la reparación, las actividades de mantenimiento y las piezas de repuesto originales de BMW contienen además advertencias de seguridad a contemplar por parte del personal de servicio. Según la normativa de la eurozona, un vehículo usado solo puede ser eliminado en una empresa oficialmente autorizada para el reciclado de vehículos usados. Los componentes del vehículo se deberán eliminar asimismo de acuerdo con la normativa local y las autoridades competentes.</p>	
Difusión de informaciones según el artículo 33 de REACH	
<p>Este vehículo se compone de productos especificados en el artículo 3(3) del Reglamento (CE) n.º 1907/2006 del Parlamento Europeo y del Consejo relativo al registro, la evaluación, la autorización y la restricción de las sustancias y preparados químicos (REACH). Según el artículo 33, todo fabricante se compromete a poner a disposición información sobre las sustancias contenidas en sus productos. Este vehículo, incluidos todos los componentes del producto, contiene sustancias que cumplen los criterios especificados en el artículo 57 y que según el artículo 59(1) se detectan en una concentración de más del 0,1 por ciento en peso. Informamos además de que en casi todos los grupos de productos se utiliza la sustancia plomo (n.º de registro CAS 7439-92-1), principalmente como componente de aleación. Además, el plomo también puede encontrarse como componente en materiales metálicos reciclados.</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-Methyl-2-pyrrolidone, NMP (typically for production of electronic equipment and coatings)	Powertrain (Engine cooler with mounting)
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) Chassis (Front axle suspension) Entertainment and Navigation (Anti-theft device, Loudspeaker and cover)
2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Chassis (Steering column, Steering gear) Drive Assistance (Radio-controlled locking system, Rear view camera) Electronic (Cable harness, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player) Interior (Front seats) Powertrain (Exhaust gas recirculation, Thermostat and engine mounted cooling lines)
2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives)	Powertrain (Engine cooler with mounting, 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) Heating and air conditioning (Air conditioner)
Diazene-1,2-dicarboxamide, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Bonnet latch, locks and fittings) E-Drive (Drive for rear blind/sun visor) Electronic (Control units, moduls)
Lead monoxide, lead oxide (typically as constituent of electronic components)	Body (Air guides, Door locks, grab handles and front fittings, Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Chassis (Active rear axle kinematic, Anti-block system, Self-levelling elements for hydropneumatic system, Steering column, Steering gear) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Heading control, Rear view camera) Electronic (Control units, moduls, Front lamp cluster, Inner lights, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (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, Selective catalytic reduction technology, Sensor for injection control unit, Thermostat and engine mounted cooling lines, Variable valve train, Ventilation, evaporation emission control)
Silicic acid, lead salt (typically for production of glass and ceramics)	Electronic (Head-up Display)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Body (Air guides) Chassis (Anti-block system, Steering column, Steering gear) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Radio-controlled locking system) Electronic (Front lamp cluster, Switch, sensor) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Exhaust gas recirculation, Fuel tank with filler pipe, Variable valve train)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Body (Boot lid latch, locks and fittings) Powertrain (Starter with mount)
Chrysen (typically used in coatings, paints and lubricants)	Body (Window mechanism with electrical control in front door) Drive Assistance (Radio-controlled locking system)
Decamethylcyclopentasiloxane (typically as feedstock for the production of silicone polymers)	Powertrain (Expansion tank, Ignition coil, Oil cooler lines, Oil filter and lines, Supercharging contrivance with regulation) Wheels and tires (Car wheels)
Dicyclohexyl phthalate (typically as plasticizer for production of polymers)	Electronic (Rear light cluster)
Dodecamethylcyclohexasiloxane (typically as feedstock for the production of silicone polymers)	Powertrain (Exhaust gas recirculation, Expansion tank, Ignition coil) Wheels and tires (Car wheels)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings) Chassis (Self-levelling elements for hydropneumatic system, Steering gear) Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Engine sound system)
N,N-Dimethylacetamide (typically as process solvent in polymer production)	Powertrain (Quick disconnects, terminals, loose parts)
Nonylphenol (typically as dispersing agent in coatings, adhesives and paints)	Powertrain (Coolants lines)
Octamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers)	Drive Assistance (Radio-controlled locking system) Electronic (Cable harness, Front lamp cluster) Powertrain (Expansion tank, Ignition coil, Selective catalytic reduction technology)
2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (typically as flame retardant and as additive in plastics and resins)	Body (Boot lid latch, locks and fittings) Chassis (Anti-block system) Electronic (DC/DC-converter, Head-up Display, Windshield wipers) Entertainment and Navigation (Radio, amplifier, CD-player) Interior (Front seats) Powertrain (Exhaust gas recirculation, Sensor for injection control unit, Supercharging contrivance with regulation, Switch and relays)
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)	Electronic (Brake lights, Cable harness) Powertrain (Housing cover)
Alkanes, C14-17, chloro (typically as flame retardant and as additive in plastics, sealants, rubber, textiles) Medium-chain chlorinated paraffins (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Chassis (Self-levelling elements for hydropneumatic system) Powertrain (Coolants lines)
Bumetrizole (typically as plasticizer for production of polymers and paints)	Body (Window mechanism with electrical control in front door) Chassis (Brake control (Hydraulic system)) Electronic (Auxiliary cable, Windshield-washer unit) Entertainment and Navigation (Central display and control unit) Heating and air conditioning (Heater with control, seat heating) Powertrain (Ecu box/mounting)
Bis(4-chlorophenyl)sulfone (typically for production of polymers and rubbers)	Powertrain (Exhaust gas recirculation)
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (typically as dispersing agent in coatings, adhesives, sealants, printing inks, fillers)	Chassis (Active rear axle kinematic, Steering column) Communication (Off-hands mobile communication) Electronic (Brake lights, Fog lamps, additional lamps, Front lamp cluster, Inner lights, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays)
4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated (typically as dispersing agent in coatings, adhesives and paints)	Powertrain (Exhaust controls)
2-benzyl-2-dimethylamino-4-morpholinobutyrophenone (typically for adhesives, sealants, coatings and inks)	Chassis (Accelerator foot control, Steering gear) Electronic (Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Thermostat and engine mounted cooling lines)
Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (typically as process solvent)	Body (Boot lid latch, locks and fittings) Drive Assistance (Radio-controlled locking system) Electronic (Horn)
Cobalt(II) carbonate (typically as additive in magnets for electronic assemblies) 2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one (typically as plasticizer for production of polymers and paints)	Powertrain (Engine cooler with mounting) Heating and air conditioning (Air conditioner)
<p>Este documento contiene informaciones relativas al material y al contenido basadas en observaciones propias y, sobre todo, en información procedente de nuestra cadena de suministro. Información adicional: Algunos óxidos anorgánicos están integrados en las estructuras de vidrio o cerámica lo que modifica las características específicas así como la clasificación según REACH. Se puede producir una constelación parecida con sustancias integradas en el polímero.</p>	