

BMW 6 Series Gran Turismo (DATE 12/2021)

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.

Difusión de informaciones según el artículo 33 de REACH

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.

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 (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 (as electrolyte in batteries)	Drive Assistance (Radio-controlled locking system) Wheels and tires (Car wheels)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol, UV-328 (for production of UV-adsorbing polymers and coatings)	Body (Bonnet latch, locks and fittings, Loose car body components) Electronic (Front lamp cluster, Head-up Display)
2,3-dibromo-1-propanol, 2,3-DBPA (typically as an intermediate in the manufacture of fine chemicals)	Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Heater with control, seat heating)
2,4-Di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol, UV-327 (for production of UV-adsorbing polymers and coatings)	Heating and air conditioning (Heater with control, seat heating)
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (used as photo initiator in polymer production)	Electronic (Instrument cluster)
2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate, DOTE (for production of paints and polymers)	Body (Colours, paints and basic material, Loose car body components)
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (used as photo initiator in polymer production)	Chassis (Steering column) Drive Assistance (Radio-controlled locking system) Electronic (Control units, moduls, Front lamp cluster, Switch, sensor) Powertrain (Housing ventilation) Powertrain/Chassis (Board equipment)
2-methylimidazole (as hardener in epoxy resins, for production of adhesives)	Powertrain (Exhaust pipe with catalysr or complete system, DPF)
4,4'-Isopropylidenediphenol (for production of polymers and resins)	Electronic (Switch, sensor) Heating and air conditioning (Air conditioner)
Acrylamide (for production of polymers and paints)	Powertrain (Alternator with drive and mountings)
Alkanes, C14-17, chloro (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Chassis (Self-levelling elements for hydropneumatic system)
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (formulation of mixtures e.g. of polymers)	Powertrain (Alternator with drive and mountings)
Boric acid (as raw material for the production of glass, ceramics, and insulation, as additive in polymers, as flame retardant of cellulose and cotton)	Body (Boot lid latch, locks and fittings) Electronic (Head-up Display) Entertainment and Navigation (Video and tv-sets) Interieur (Front seats) Powertrain (Starter with mount)
Cobalt (II) Nitrate – hexahydrate (as additive in magnets for electronic assemblies)	Body (Safety belts)
Decamethylcyclopentasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Drive Assistance (Radio-controlled locking system) Powertrain (Oil cooler lines, Oil filter and lines, Oil pressure, -temperature, oil level indicator, Sensor for injection control unit) Wheels and tires (Car wheels)
Diazene-1,2-dicarboxamide, ADCA (as blowing agent in plastic and rubber manufacturing)	Body (Bodysheil, Bonnet latch, locks and fittings, Loose car body components, Window mechanism with electrical control in rear door) E-Drive (Drive for rear blind/sun visor) Electronic (Control units, moduls, Power distribution box, Jumper cable supports) Entertainment and Navigation (Loudspeaker and cover) Interieur (Floor, trunk, engine compartment trim, mats, Front door trim panel with armrests, Insulating panel, Rear door trim panel with armrests, Side trim panel with armrests)
Diboron trioxide (for glass production of borosilicate and crystal glass)	Chassis (Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Night Vision, Radio-controlled locking system, Rear view camera, Time-to-line crossing external camera) Electronic (Battery with holder, Control units, moduls, Instrument cluster, Switch, sensor) Entertainment and Navigation (Two-way telephone and alarm system) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interieur (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Coolant pump with drive, Housing ventilation, Supercharging contrivance with regulation, Variable valve train)
Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene, "Dechlorane Plus" [™] (as flame retardant)	Electronic (Switch, sensor) Heating and air conditioning (Heater with control, seat heating)
Dodecamethylcyclohexasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Powertrain (Coolant pump with drive, Exhaust gas recirculation) Wheels and tires (Car wheels)
Imidazolidine-2-thione, 2-imidazoline-2-thiol (for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings) Chassis (Front wheel brakes, Rear axle suspension, Self-levelling elements for hydropneumatic system) Communication (Off-hands mobile communication) Heating and air conditioning (Auxiliary heater with control elements) Interieur (Front seats)
Lead monoxide, lead oxide (as constituent of electronic components)	Chassis (Active rear axle kinematic, Anti-block system, Brake boosters, Steering gear) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, Radio-controlled locking system, Rear view camera, Time-to-line crossing external camera) Electronic (Battery with holder, Brake lights, Control units, moduls, Front lamp cluster, Head-up Display, Horn, Instrument cluster, Switch, sensor) Entertainment and Navigation (Central display and control unit, Radio, amplifier, CD-player, Two-way telephone and alarm system) Heating and air conditioning (Heater with control, seat heating) Interieur (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Carbon canister ventilation, Housing ventilation, Sensor for injection control unit, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines, Variable valve train)
Lead titanium zirconium oxide (as constituent of electronic components)	Chassis (Steering column) Electronic (Switch, sensor) Powertrain (Injection nozzles and tubing, Selective catalytic reduction technology, Sensor for injection control unit)
Medium-chain chlorinated paraffins (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Powertrain (Coolants lines)
N,N-dimethylacetamide (as process solvent in polymer production)	Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Oil pressure, -temperature, oil level indicator)
Nonylphenol (as dispersing agent in coatings, adhesives and paints)	Powertrain (Coolants lines)
Octamethylcyclotetrasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Drive Assistance (Radio-controlled locking system) Electronic (Switch, sensor) Powertrain (Selective catalytic reduction technology, Starter with mount)
Silicic acid, lead salt (as constituent in ceramic and glass)	Electronic (Head-up Display) Entertainment and Navigation (Radio, amplifier, CD-player)
Trixylyl phosphate (as flame retardant in polymers)	Interieur (Front seats)

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.