

BMW 4 Series Gran Coupé (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) nº 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-propanesultone (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 (Head-up Display, Rear light cluster)
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) Electronic (Control units, moduls, Windshield-washer unit)
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (used as photo initiator in polymer production)	Drive Assistance (Radio-controlled locking system) Electronic (Control units, moduls, High voltage charging electronics, Switch, sensor) Entertainment and Navigation (Antenna) Powertrain (Housing ventilation)
2-methylimidazole (as hardener in epoxy resins, 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 (as dispersing agent in coatings, adhesives and paints)	Powertrain (Exhaust controls)
4,4'-Isopropylidenediphenol (for production of polymers and resins)	Body (Airbags)
Acrylamide (for production of polymers and paints)	Powertrain (Alternator with drive and mountings)
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (formulation of mixtures e.g. of polymers)	Powertrain (Alternator with drive and mountings)
Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (as process solvent)	Chassis (Steering column)
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) Powertrain (Starter with mount)
Decamethylcyclopentasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Drive Assistance (Radio-controlled locking system) Electronic (High voltage charging electronics) Powertrain (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)
Diazene-1,2-dicarboxamide, ADCA (as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Bonnet latch, locks and fittings, Bumper rear, Loose car body components) 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, Instrument panel, Insulating panel, Rear door trim panel with armrests, Rear seats, Side trim panel with armrests)
Diboron trioxide (for glass production of borosilicate and crystal glass)	Body (Body trim) Chassis (Anti-block system) Drive Assistance (Adaptive cruise control, Distance warning systems, Night Vision, Radio-controlled locking system, Rear view camera, Time-to-line crossing external camera) Electronic (Battery with holder, Control units, moduls, Front lamp cluster, High voltage charging electronics, Instrument cluster, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Air conditioner) Interieur (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Coolant pump with drive, Housing ventilation, Supercharging contrivance with regulation, Variable valve train)
Dicyclohexyl phthalate (formulation of polymers, sealant compounds and textile printing)	Chassis (Rear wheel brakes) Electronic (Rear light cluster) Powertrain (Engine cooler with mounting)
Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene, "Dechlorane Plus"™ (as flame retardant)	Electronic (Switch, sensor) Powertrain (Engine cooler with mounting)
Dodecamethylcyclohexasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Electronic (High voltage charging electronics) Powertrain (Coolant pump with drive, Exhaust gas recirculation)
Imidazolidine-2-thione, 2-imidazoline-2-thiol (for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings) Chassis (Front axle suspension, Front wheel brakes, Steering gear) Communication (Off-hands mobile communication)
Lead monoxide, lead oxide (as constituent of electronic components)	Body (Body trim) Chassis (Anti-block system, Brake boosters, Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, Rear view camera, Time-to-line crossing external camera) Electronic (Battery with holder, Control units, moduls, Front lamp cluster, Head-up Display, High voltage charging electronics, Inner lights, Instrument cluster, Switch, sensor) Entertainment and Navigation (Antenna, Central display and control unit, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Heater with control, seat heating) Interieur (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Carbon canister ventilation, Fuel tank with filler pipe, Housing ventilation, Injection nozzles and tubing, Sensor for injection control unit, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines, Variable valve train, Ventilation, evaporation emission control)
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)	Powertrain (Oil pressure, -temperature, oil level indicator)
Octamethylcyclotetrasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Chassis (Accelerator foot control) Drive Assistance (Radio-controlled locking system) Electronic (High voltage charging electronics) Powertrain (Engine cooler with mounting, Selective catalytic reduction technology, Starter with mount)
Silicic acid, lead salt (as constituent in ceramic and glass)	Electronic (Head-up Display)
Tetraboron disodium heptaoxide, hydrate (as lubricating grease and for production of glass and ceramics)	Interieur (Front seats)
Trixylyl phosphate (as flame retardant in polymers)	Interieur (Mirrors, sun visors, ashtrays, trays)

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 constatación parecida con sustancias integradas en el polímero.