

BMW M5 Sedan (DATE 07/2020)

The BMW Group is committed to sustainable principles and is therefore taking proactive measures to avoid certain chemicals in the production of our vehicles. Due to that only substances that are technically required in the product are still contained. The substances are incorporated in such a way that potential exposure to the customers is minimised, and danger for humans or the environment can be excluded as long as the vehicle and its parts are used as intended, and any repairs, servicing and maintenance are carried out following technical instructions for those activities, and industry standard good practices. Safe use of the product is described in the owner manual that is consistent with our own commitment to promote the responsible manufacturing, handling and use of our products. Our information on repair and servicing of vehicles and genuine parts also includes safe use information for service personnel. An end-of-life vehicle may only be disposed of legally in the European Union at an Authorised Treatment Facility (ATF). Vehicle parts should be disposed in accordance with locally applicable laws and local authority guidance.

Communication of information according to Article 33 REACH

This product is composed of articles defined under Article 3(3) of the Regulation No. 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Any supplier shall comply with the duty to communicate information on substances in articles in accordance to Article 33. This product, including any article that the product is composed of, does contain substances meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w). We inform that lead (CAS-No. 7439-92-1) is used in almost all products categories, primary as alloying element. Recycled aluminum and metals may contain lead as impurity.

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) Heating and air conditioning (Air and water lines) Interior (Trim panel trunk lid/taillgate) Powertrain (Housing cover)
2-Ethylhexyl 10-ethyl-4,4-diethyl-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)	Electronic (Cable harness, Switch, sensor) Entertainment and Navigation (Video and tv-sets) Powertrain (Variable valve train) Powertrain/Chassis (Board equipment)
4,4'-Isopropylidenediphenol (for production of polymers and resins)	Electronic (Switch, sensor)
Boric acid (as raw material for the production of glass, ceramics, and insulation, as additive in polymers, as flame retardant of cellulose and cotton)	Entertainment and Navigation (Video and tv-sets)
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 filter and lines) Wheels and tires (Car wheels)
Diazene-1,2-dicarboxamide, ADCA (as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Bonnet latch, locks and fittings, Loose car body components) 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, Insulating panel, Rear door trim panel with armrests, Side trim panel with armrests)
Diboron trioxide (for glass production of borosilicate and crystal glass)	Body (Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Chassis (Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Night Vision, Radio-controlled locking system, Time-to-line crossing external camera) Electronic (Battery with holder, Instrument cluster) Entertainment and Navigation (Two-way telephone and alarm system, Video and tv-sets) Heating and air conditioning (Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays)
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)	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 axle suspension, Rear axle suspension, Self-levelling elements for hydropneumatic system) Communication (Off-hands mobile communication) Interior (Front seats)
Lead monoxide, lead oxide (as constituent of electronic components)	Body (Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Chassis (Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Radio-controlled locking system, Time-to-line crossing external camera) Electronic (Battery with holder, Control units, moduls, Head-up Display, Horn, Instrument cluster, Switch, sensor, Windshield wipers) 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) Interior (Front seats) Powertrain (Charge air cooler with mounting, Sensor for injection control unit)
Lead titanium zirconium oxide (as constituent of electronic components)	Chassis (Steering column) Electronic (Switch, sensor) Powertrain (Sensor for injection control unit)
N,N-dimethylacetamide (as process solvent in polymer production)	Entertainment and Navigation (Radio, amplifier, CD-player)
Octamethylcyclotetrasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Chassis (Accelerator foot control) Communication (Off-hands mobile communication) Drive Assistance (Radio-controlled locking system)
Sillicic acid, lead salt (as constituent in ceramic and glass)	Electronic (Switch, sensor) Electronic (Head-up Display)

The information provided in this document related to material and substance content represents our knowledge and belief, which may be based in whole or in part on available information provided by suppliers to us.
Additional Information: Certain inorganic oxides are bound in glass or ceramic matrices that change their individual substance properties as well as their communication duties under REACH. Similar changes occur with certain precursors that are bound in polymers.