

**BMW 5 Series Sedan (DATE 07/2020)**

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 alle loro destinazioni 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 di veicoli vanno smaltiti conformemente alle leggi localmente in vigore e alle autorità locali competenti.

**Comunicazione di informazioni conformemente all'articolo 33 REACH**

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 restrizione 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 soddisfanno 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.

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, Various accessories)  Electronic (Head-up Display, Instrument cluster)  Heating and air conditioning (Air and water lines) Interior (Trim panel trunk lid/taillgate)
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) Electronic (Control units, moduls)
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (used as photo initiator in polymer production)	Chassis (Steering column) Electronic (Cable harness, Switch, sensor) Entertainment and Navigation (Video and tv-sets) Powertrain (Housing ventilation, Variable valve train)
2-methylimidazole (as hardener in epoxy resins, for production of adhesives)	Powertrain (Exhaust pipe with catalyst or complete system, DPF)
4,4'-Isopropylidenediphenol (for production of polymers and resins)	Electronic (Switch, sensor) Heating and air conditioning (Air conditioner)
Aluminosilicate Refractory Ceramic Fibres (for heat insulation)	Powertrain (Exhaust pipe with catalyst or complete system, DPF)
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)	Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Air conditioner) Powertrain (Starter with mount)
Cobalt (II) Nitrate - hexahydrate (as additive in magnets for electronic assemblies)	Body (Safety belts)
Cobalt(II) carbonate (as additive in magnets for electronic assemblies)	Powertrain (Engine cooler with mounting)
Decamethylcyclotetrasiloxane (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, Sensor for injection control unit, Supercharging contrivance with regulation) 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, Mirrors, sun visors, ashtrays, trays, 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, High-voltage battery individual components, Instrument cluster, Switch, sensor) Entertainment and Navigation (Two-way telephone and alarm system, Video and tv-sets) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Exhaust gas recirculation, Housing ventilation)
Dicyclohexyl phthalate (formulation of polymers, sealant compounds and textile printing)	Chassis (Steering column)
Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene, "Dechlorane Plus™" (as flame retardant)	Electronic (High voltage charging electronics, Switch, sensor) Heating and air conditioning (Heater with control, seat heating) Optional Equipment (Switches, small devices and ecus)
Dodecamethylcyclotetrasiloxane (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 wheel brakes, Rear axle suspension, Self-levelling elements for hydropneumatic system, Steering gear) Communication (Off-hands mobile communication) Interior (Front seats) Powertrain (Ecu box/mounting, Starter with mount)
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, Brake boosters) 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, Front lamp cluster, Head-up Display, High voltage charging electronics, High-voltage battery individual components, 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, Video and tv-sets) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Front seats) Optional Equipment (Switches, small devices and ecus) Powertrain (Automatic transmission, Carbon canister ventilation, Charge air cooler with mounting, Housing ventilation, Sensor for injection control unit, Thermostat and engine mounted cooling lines)
Lead titanium zirconium oxide (as constituent of electronic components)	Chassis (Steering column) Electronic (High-voltage accumulator system, High-voltage battery individual components, Switch, sensor) Heating and air conditioning (Air conditioner) Powertrain (Injection nozzles and tubing, Selective catalytic reduction technology, Sensor for injection control unit)
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)	Chassis (Pedals) Powertrain (Automatic transmission, Coolants lines)
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) Electronic (Cable harness, Switch, sensor) Powertrain (Selective catalytic reduction technology, Sensor for injection control unit, Starter with mount)
Silicic acid, lead salt (as constituent in ceramic and glass)	Electronic (Head-up Display) Entertainment and Navigation (Radio, amplifier, CD-player)

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. Informazioni addizionali: 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.