

BMW Group Coarse (ATE 03/2020)	
<p>The BMW Group is committed to sustainable principles and is therefore taking proactive measures to avoid certain chemicals in the production of our vehicles. Use 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 customer is minimized, 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. At 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.</p>	
<p><b>Communication of information according to Article 31 REACH</b></p>	
<p>This product is composed of articles defined under Article 3(1) of the Regulation No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorization 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 37 and identified in accordance with Article 59(1) in a concentration above 0.1 % weight by weight (w/w). We inform that lead (CAS-Nr. 7439-92-1) is used in almost all products categories, primary as alloying element. Recycled aluminum and metals may contain lead as impurity.</p>	
Name of substance meeting the criteria in Article 37 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-Methyl-2-pyrrolidone, NMP (typically for production of electronic equipment and coatings)	Powertrain (Alternator with drive and mountings, Engine cooler with mounting) Body (Boot lid latch, locks and fittings) Chassis (Front axle suspension)
6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol (typically for production of polymers and rubbers)	Entertainment and Navigation (Loudspeaker and cover) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Exhaust pipe with catalyst or complete system, DPF) Powertrain/Chassis (Stickers)
2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Chassis (Steering column) Drive Assistance (Rear view camera) Electronic (Cable harness, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Thermostat and engine mounted cooling lines)
2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives)	Entertainment and Navigation (Anti-theft device) Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Engine cooler with mounting, Vibration damper) Communication (Off-hands mobile communication)
4,4'-Isopropylidenediphenol (typically for production of polymers and resins)	Drive Assistance (Interior camera) Electronic (Control units, moduls) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Air conditioner) Powertrain (Engine cooler with mounting)
Bis(2,2-dimethylbenzyl) peroxide (typically used for production of polymers and as a processing aid and cross-linker in polymers)	Body (Boot lid latch, locks and fittings, Door locks, grab handles and front fittings, Door locks, grab handles and rear fittings) Chassis (Brake control (Hydraulic system), Rear wheel brakes, Steering column) Drive Assistance (Time-to-line crossing external camera) Electronic (Windshield-washer unit) Heating and air conditioning (Air conditioner) Powertrain (Coolant pump with drive, Engine suspension, Exhaust suspension, Expansion tank, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines) Powertrain/Chassis (Board equipment)
Diazene-1,2-dicarboximidic, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Bonnet latch, locks and fittings) Drive Assistance (Time-to-line crossing external camera) E-Drive (Drive for rear blind/sun visor) Electronic (Control units, moduls)
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)	Chassis (Anti-block system) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control) Electronic (Control units, moduls, Instrument cluster) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Chassis (Rear axle with mounting, wheel control, Self-levelling elements for hydro pneumatic system) Interior (Instrument panel) 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)	Interior (Sliding roof) Powertrain (Expansion tank, Ignition coil, Oil filter and lines, Oil pressure, temperature, oil level indicator) 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)	Interior (Front seats, Sliding roof) Powertrain (Expansion tank, Ignition coil, Starter with mount) Wheels and tires (Car wheels) Body (Boot lid latch, locks and fittings)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	Chassis (Self-levelling elements for hydro pneumatic system, Steering gear) Communication (Off-hands mobile communication) Heating and air conditioning (Auxiliary heater with control elements) Interior (Partition wall trim panels)
N,N-Dimethylacetamide (typically as process solvent in polymer production)	Chassis (Steering gear) Entertainment and Navigation (Loudspeaker and cover) Powertrain (Quick disconnects, terminals, loose parts)
Octamethylcyclotrisiloxane (typically as feedstock for the production of silicone polymers)	Drive Assistance (Radio-controlled locking system) Electronic (Front lamp cluster) Interior (Sliding roof) Powertrain (Expansion tank, Ignition coil)
Triphenyl phosphite (TPP); (typically used for adhesives and sealants coating products)	Chassis (Anti-block system electrical components, Electrical components (wear indicator), Self-levelling elements for hydro pneumatic system) Electronic (Cable harness) Heating and air conditioning (Heater with control, seat heating) Interior (Insulating panel, Mirrors, sun visors, ashtrays, trays) Powertrain (Housing cover, Oil pump with strainer and drive) Body (Arms, Bonnet latch, locks and fittings, Boot lid latch, locks and fittings, Windshield and rear window) Chassis (Self-levelling elements for hydro pneumatic system, Steering column, Steering gear) Electronic (Auxiliary cable, Battery with holder, Brake lights, Cable harness, Fog lamps, additional lamps, Front lamp cluster, Head-up Display, Instrument cluster, Switch, sensor) Entertainment and Navigation (Central display and control unit, Loudspeaker and cover) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements, Heater with control, seat heating, Nozzles, flow-out organs) Interior (Floor, trunk, engine compartment trim, mats, Front seats, Partition wall trim panels) Powertrain (Alternator with drive and mountings, Engine wiring harness, Oil cooler lines, Starter cable, Thermostat and engine mounted cooling lines, Transmission wiring harness) Powertrain/Chassis (Stickers)
1,1'-(Ethane-1,2-diyli)bis(pentabromobenzene) (typically as dispersing agent in coatings, adhesives, sealants, fillers)	Body (Door locks, grab handles and front fittings, Door locks, grab handles and rear fittings) Chassis (Anti-block system, Self-levelling elements for hydro pneumatic system electrical components) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems) E-Drive (Drive for rear blind/sun visor) Electronic (Battery with holder, Cigarette lighter, sockets, Control units, moduls, DC/DC-converter, Head-up Display, Inner lights, Instrument cluster, Switch, sensor, Windshield wipers) Entertainment and Navigation (Airbag-releasing device, Antenna, Central display and control unit, Radio, amplifier, CD-player) Heating and air conditioning (Heater with control, seat heating, Nozzles, flow-out organs) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Coolant pump with drive, Delivery, preparation and control measurement, control units, Fuel pump, Exhaust pipe with catalyst or complete system, DPF)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	Heating and air conditioning (Auxiliary heater with control elements)
Cobalt(II) sulphate (typically for surface treatment)	Interior (Partition wall trim panels)
Melamine (typically used in coatings, inks, resins and polymers)	Electronic (Brake lights, Cable harness, Switch, sensor) Powertrain (Housing cover)
Bumetriazole (typically as plasticizer for production of polymers and paints)	Body (Air guides, Window mechanism with electrical control in front door, Windshield and rear window) Chassis (Brake control (Hydraulic system)) Electronic (Windshield-washer unit) Entertainment and Navigation (Central display and control unit) Heating and air conditioning (Heater with control, seat heating)
4,4'-(2,2,2-trifluoro-1-(trifluoromethyl)ethylidene)bisphenol (Bisphenol A) (typically used for formulation and production of polymers & polymer processing)	Chassis (Steering column) Powertrain (Intake silencer, Oil cooler lines)
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (typically as additive in plastic applications, for adhesives, sealants, coatings and inks)	Entertainment and Navigation (Loudspeaker and cover) Heating and air conditioning (Air conditioner) Powertrain (Exhaust pipe with catalyst or complete system, DPF) 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 (Loudspeaker and cover, Radio, amplifier, CD-player) Heating and air conditioning (Heater with control, seat heating, Nozzles, flow-out organs) Interior (Mirrors, sun visors, ashtrays, trays) Chassis (Steering gear)
2-benzyl-2-dimethylamino-4-morpholinobutylphenone (typically for adhesives, sealants, coatings and inks)	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) Electronic (Morn)
Benzyltriphenylphosphonium salt with 4,4'-(2,2,2-trifluoro-1-(trifluoromethyl)ethylidene)bis[phenol] (1:1), (typically as plasticizer for polymerization & substitution)	Powertrain (Oil cooler lines)
2-(dimethylamino)-2-(4-methylphenyl)ethyl-1-(4-morpholin-4-yl)phenylbutan-1-one (typically as plasticizer for production of polymers and paints)	Heating and air conditioning (Air conditioner)

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.