

BMW's Section (DATE 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. 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 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 repair, servicing and maintenance are carried out following technical instructions for those activities, and industry standard good practices. Sole use of the product is described in the owner manual that is consistent with our own commitment to provide the responsible manufacturing, handling and use of our products. Our information on repair and servicing of vehicles and genuine parts also include safe use information for service personnel. An end-of-life vehicle may only be disposed of legally in the European Union at an Authorized Treatment Facility (ATF). Vehicle parts should be disposed in accordance with locally applicable law and local authority guidance.</p>	
Communication of information according to Article 33 REACH	
<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 Regulation, 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% by weight (w/w). We inform that lead (CAS-Nr. 7439-92-1) is used in almost all products categories, primary as casting element. Detailed information on which raw material contains lead can be found in our own internal documents.</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)
1,3-Dimethylsilylpropane, ethylene glycol dimethyl ether, EGDM (typically as process solvent and for surface treatment)	Wheels and tires (Car wheels)
1-Methyl-2-pyrrolidone, NMP (Typically for production of electronic equipment and coatings)	Body (Windshield and rear window) Entertainment and Navigation (Antenna)
6,6'-Di-tert-butyl-2,2'-methylpropane-diphenyl ether (typically for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings, Safety belts) Chassis (Anti-block system, Front axle suspension, Self-levelling elements for hydropneumatic system, Steering column) Electronic (Battery with holder, Control units, moduls, High voltage charging electronics) Heating and air conditioning (Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain/Chassis (Electrics)
2-Methyl-1-(4-methylphenyl)ethoxy-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Body (Boot lid latch, locks and fittings, External fittings) Electronic (Auxiliary cable, Cable harness, High voltage charging electronics, Switch, sensor) Entertainment and Navigation (Antenna, Central display and control unit, Radio, amplifier, CD-player) Powertrain (Electric machine individual components, Traction Unit) Electronic (Battery with holder)
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)
4,4'-Isopropylidenediphenol (typically for production of polymers and resins)	Chassis (Anti-block system) Drive Assistance (Rear view camera) Electronic (DC/DC-converter) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements)
Bis(4-dimethylbenzyl) peroxide (typically used for production of polymers and as a processing aid and cross-linker in polymers)	Body (Air guides) Chassis (Brake control (Hydraulic system), Front wheel brakes, Pressure accumulator and pump unit, Steering column) Electronic (Battery with holder, Front lamp cluster, High-voltage accumulator system, Windshield wipers) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements, Nozzles, flow out organs) Powertrain (Coolant pump with drive, Engine cooler with mounting, Expansion tank) Powertrain/Chassis (Board equipment) Wheels and tires (Car wheels)
Diazane-1,2-dicarboxamide, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Boot lid latch, locks and fittings) Chassis (Steering column) Electronic (Control units, moduls, Pow er distribution box, Jumper cable supports) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Heater with control, seat heating) Interior (Front door trim panel with armrests, Rear door trim panel with armrests)
Silicic acid, lead salt (typically for production of glass and ceramics)	Chassis (Anti-block system)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Body (Windshield and rear window) Communication (OFH-hands mobile communication) Electronic (DC/DC-converter, Head-up Display, High-voltage accumulator system, High-voltage battery individual components, Rear light cluster) Entertainment and Navigation (Airbag-releasing device, Video and tv-sets) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Coolant pump with drive, Traction Unit)
Boic acid (typically for production of glass and ceramics and as flame retardant)	Chassis (Front axle suspension, Rear axle with mounting, wheel control) Electronic (Potential equalization) Powertrain (Coolant pump with drive)
Decamethylcyclotrisiloxane (typically as feedstock for the production of silicone polymers)	Chassis (Anti-block system) Electronic (Auxiliary cable, Control units, moduls, DC/DC-converter, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components) Heating and air conditioning (Air conditioner) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Control Hydraulic drive, Traction Unit, Transmission electric drive components)
Dodecamethylcyclotrisiloxane (typically as feedstock for the production of silicone polymers)	Chassis (Anti-block system, Steering column) Electronic (Control units, moduls, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components) Heating and air conditioning (Air conditioner) Powertrain (Control Hydraulic drive, Coolant pump with drive, Traction Unit, Transmission electric drive components)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	Body (Bumper rear) Chassis (Front axle suspension) Communication (OFH-hands mobile communication) Heating and air conditioning (Auxiliary heater with control elements, Heater with control, seat heating)
N,N-Dimethylacetamide (typically as process solvent in polymer production)	Electronic (High-voltage accumulator system, High-voltage battery individual components) Interior (Front seats)
Nonylphenol (typically as dispersing agent in coatings, adhesives and paints)	Body (Windshield and rear window)
Octamethylcyclotrisiloxane (typically as feedstock for the production of silicone polymers)	Body (Airbag, Boot lid latch, locks and fittings) Electronic (Auxiliary cable, High voltage charging electronics, High-voltage accumulator system) Heating and air conditioning (Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Coolant pump with drive)
Triphenyl phosphite (TPP), (typically used for adhesives and sealants, coating products)	Chassis (Anti-block system electrical components, Electrical components (rear indicators)) Electronic (Cable harness, High voltage charging electronics) Entertainment and Navigation (Video and tv-sets) Interior (Mirrors, sun visors, ashtrays, trays)
Tris(4-nonylphenyl, branched and linear) phosphite, TNPP (typically for production of polymers and rubbers)	Chassis (Front wheel brakes) Electronic (DC/DC-converter)
1,1'-(Ethane-1,2-diyli)bis(pentabromobenzene), (typically as dispersing agent in coatings, adhesives, sealants, fillers)	Body (Airbag, Borenet latch, locks and fittings, Boot lid latch, locks and fittings, Bumper rear, Safety belts, Window mechanism with electrical control in rear door) Chassis (Active rear axle kinematic, Steering gear) Electronic (Auxiliary cable, Battery with holder, Cable harness, Front lamp cluster, Head-up Display, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Rear light cluster, Windshield-wiper unit) Entertainment and Navigation (Antenna, Central display and control unit, Loudspeaker and cover, Video and tv-sets) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements, Heater with control, seat heating, Nozzles, flow-out organs) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Control Hydraulic drive, Coolant pump with drive, Coolant lines, Electric machine individual components, Traction Unit) Powertrain/Chassis (Electrics)
2,2,6,6-tetrabromo-4,4'-isopropylidenediphenol (typically as flame retardant and as additive in plastics and resins)	Drive Assistance (Adaptive cruise control) Electronic (Brake lights, Front lamp cluster, Head-up Display) Entertainment and Navigation (Airbag-releasing device, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Auxiliary heater with control elements) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Coolant pump with drive, Traction Unit)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	Heating and air conditioning (Auxiliary heater with control elements)
Melamine (typically used in coatings, inks, resins and polymers)	Body (Boot lid latch, locks and fittings) Electronic (Auxiliary cable, Cable harness, High voltage charging electronics, Switch, sensor) Entertainment and Navigation (Central display and control unit) Powertrain (Traction Unit)
Bismethacrylate (typically as plasticizer for production of polymers and paints)	Body (Air guides, Bumper rear, Door locks, grab handles and front fittings, Door locks, grab handles and rear fittings, Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Chassis (Brake control (Hydraulic system), Pressure accumulator and pump unit) Communication (OFH-hands mobile communication) E-Drive (Drive for window lifter) Electronic (Auxiliary cable, Front lamp cluster, Switch, sensor) Heating and air conditioning (Air conditioner, Nozzles, flow-out organs) Interior (Mirrors, sun visors, ashtrays, trays, Side trim panel with armrests, sliding roof)
Dipheny(2,4,6-trimethylbenzoyl)phosphine oxide (typically as additive in plastic applications, for adhesives, sealants, coatings and inks)	Chassis (Anti-block system) Electronic (Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player)
Tris(2-methoxyethoxy)nitrate (typically for production of polymers and adhesives)	Heating and air conditioning (Heater with control, seat heating)
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetraethylbutyl)phenol (typically as dispersing agent in coatings, adhesives, sealants, printing inks, fillers)	Body (Air guides, Badges, stickers, adhesive foils, External fittings) Communication (OFH-hands mobile communication) Drive Assistance (Adaptive cruise control) Electronic (Brake lights, Control units, moduls, Front lamp cluster, High-voltage accumulator system, High-voltage battery individual components, Inner lights, Switch, sensor) Entertainment and Navigation (Central display and control unit, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Nozzles, flow-out organs) Interior (Front seats, Side trim panel with armrests)
2-benzyl-2-dimethylamino-4-morpholinobutylphenone (typically for adhesives, sealants, coatings and inks)	Electronic (Control units, moduls) Entertainment and Navigation (Radio, amplifier, CD-player) Interior (Mirrors, sun visors, ashtrays, trays)
Bis(2-methoxyethoxy)ethyl ether, tetraglyme (typically as process solvent)	Electronic (Horn) Interior (Instrument panel)
2,2'-Dibromo-1-propanol, 2,2'-DBPA (typically as an intermediate in the manufacture of fire chemicals)	Electronic (High voltage charging electronics)
Pentaerythritol 1,1,2,2,3,4,4,4-hexamethoxybutane-1-sulfonate (typically as flame retardant in polycarbonates)	Electronic (High voltage charging electronics) Entertainment and Navigation (Antenna)
2-(dimethylamino)2-[4-methylphenyl(methyl)-1-2-morpholin-4-yl]phenylbutan-1-one (typically as plasticizer for production of polymers and paints)	Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Air and water lines) Powertrain (Coolant lines)

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 status under REACH. Similar changes occur with certain precursors that are bound in polymers.