

BMW 4 Series Gran Coupé (DAVE 93/2024)	
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 their 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 repairs, servicing and maintenance are carried out following technical instructions for these 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 Authorized 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 certain defined under Article 3(1) of the Regulation No 1907/2006 of the European Parliament and of 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 with 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 (CAS-No. 7439-92-1) is used in almost all product components except as display element. Detailed description and mitigation measures are contained in this document.	
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, EGDM (typically as process solvent and for surface treatment)	Wheels and tires (Car wheels)
1-Methoxy-2-pyrrolidone, MPF (typically for production of electronic equipment and coatings)	Powertrain (Alternator with drive and mountings)
6,6'-bis(4-tert-butyl-2,2-methylphenyl)-2,2'-methylenebis(4-phenol) (typically for production of polymers and rubbers)	Body (Arms, Bumper rear, Safety belts, Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Electronic (Control units, modules) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Delivery, preparation and content measurement, control units, fuel pump, Exhaust pipe with catalyst or complete system, DPF, Thermostat and engine mounted cooling lines) Powertrain Chassis (Stickers)
2-Methyl-1-(4-methylphenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	Body (Boat lid latch, locks and fittings) Chassis (Rear wheel brakes) Drive Assistance (Rear view camera) Electronic (Cable harness, Switch, sensor) Entertainment and Navigation (Antenna, Radio, amplifier, CD-player)
2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives)	Powertrain (Exhaust gas recirculation, Thermostat and engine mounted cooling lines) Chassis (Output shafts, Rear wheel brakes) Entertainment and Navigation (Anti-theft device) Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Exhaust pipe with catalyst or complete system, DPF, Vibration damper)
4,4'-isopropylidenediphenol (typically for production of polymers and resins)	Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements) Interior (Front seats)
3-Bis(4-dimethylbenzyl) peroxide (typically used for production of polymers and as a processing aid and cross-linker in polymers)	Body (Arms, Bumper rear, Safety belts, Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Chassis (Anti-lock system, Brake boosters, Brake control (Hydraulic system), Front wheel brakes, Pedals, Rear axle with mounting, wheel control, Steering column) Drive Assistance (Time-to-line crossing external camera) Electronic (Control units, modules, Potential equalization) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements) Powertrain (Coolant pump with drive, Engine suspension, Exhaust gas recirculation, Exhaust pipe with catalyst or complete system, DPF, Exhaust suspension, Expansion tank, Oil pump with strainer and drive, Selective catalytic reduction technology, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines) Powertrain Chassis (Board equipment)
Diazene-1,2-dithioamide, ADCA (typically as blowing agent in plastic and rubber manufacturing)	Wheels and tires (Car wheels) Body (Bodyshell, Colours, paints and basic material) Drive Assistance (Time-to-line crossing external camera) Interior (Slide trim panel with sensors) Chassis (Anti-lock system) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control) Electronic (Potential equalization, Rear light cluster) Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Body (Sealings) Powertrain (Canshaft adjustment, Starter with mount)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Body (Arms) Powertrain (Potential equalization) Powertrain (Canshaft adjustment, Starter with mount)
Decamethylcyclotrisiloxane (typically as feedstock for the production of silicone polymers)	Body (Sealings) Chassis (Pedals, Steering column) Drive Assistance (Radio-controlled locking system) Heating and air conditioning (Air conditioner) Powertrain (Alternator with drive and mountings, Engine cooler with mounting, Housing cover, Ignition coil, Injection nozzles and tubing, Oil cooler lines, Oil filter and filter, Oil pressure, temperature, oil level indicator, Sensor for injection control unit, Thermostat and engine mounted cooling lines, Transmission wiring harness) Chassis (Rear wheel brakes) Electronic (Rear light cluster) Powertrain (Alternator with drive and mountings, Engine cooler with mounting)
Dicyclohexyl phthalate (typically as plasticizer for production of polymers)	Body (Sealings) Chassis (Pedals, Steering column) Interior (Front seats) Powertrain (Alternator with drive and mountings, Carbon canister ventilation, Coolant pump with drive, Exhaust gas recirculation, Housing cover, Ignition coil, Injection nozzles and tubing, Sensor for injection control unit, Starter with mount)
Dodecamethylcyclotrisiloxane (typically as feedstock for the production of silicone polymers)	Body (Boat lid latch, locks and fittings) Chassis (Front axle suspension, Rear axle suspension) Communication (Off-hands mobile communication) Heating and air conditioning (Auxiliary heater with control elements)
imidazolidine-2-thione (typically for production of polymers and rubbers)	Body (Sealings) Chassis (Pedals, Steering column) Drive Assistance (Radio-controlled locking system) Heating and air conditioning (Heater with control, seat heating) Powertrain (Alternator with drive and mountings, Engine cooler with mounting, Housing cover, Ignition coil, Injection nozzles and tubing, Starter with mount, Transmission wiring harness) Chassis (Anti-lock system electrical components) Electronic (Cable harness, Head-up Display) Entertainment and Navigation (Video and tv-sets) Interior (Mirrors, sun visor, ashtrays, trays) Powertrain (Housing cover, Oil pump with strainer and drive)
Triphenyl phosphite (TPP), (typically used for adhesives and sealants coating products)	Body (Arms, Bumper rear, Safety belts, Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door, Windshield and rear window) Chassis (Self-leveling elements for hydro-pneumatic system, Steering column, Steering gear) Electronic (Auxiliary cable, Battery with holder, Cable harness, Front lamp cluster, Head-up Display, Switch, sensor) Entertainment and Navigation (Central display and control unit, Video and tv-sets) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements) Interior (Front seats)
1,1'-Ethane-1,2'-diylbis(pentaerithronolsuccinate), (typically as dispersing agent in coatings, adhesives, sealants, fillers)	Powertrain (Alternator with drive and mountings, Coolant pump with drive, Engine cooler with mounting, Engine wiring harness, Exhaust gas recirculation, Housing ventilation, Injection nozzles and tubing, Intake sensor, Oil pressure, temperature, oil level indicator, Selective catalytic reduction technology, Starter cable, Thermostat and engine mounted cooling lines, Transmission wiring harness) Powertrain Chassis (Stickers)
2,2'-Azobis(4-tert-butyl-6-isopropylphenol) (typically as flame retardant and as additive in plastics and resins)	Body (Bumper rear) Chassis (Brake boosters, Rear axle differential) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems) Electronic (Battery with holder, Control units, modules, Fog lamps, additional lamps, Head-up Display, Interior lights, Switch, sensor, Windshield wiper) Entertainment and Navigation (Airbag-deleasing device, Central display and control unit, Radio, amplifier, CD-player) Heating and air conditioning (Auxiliary heater with control elements) Interior (Front seats, Mirrors, sun visors, ashtrays, trays) Powertrain (Automatic transmission, Coolant pump with drive, Delivery, preparation and content measurement, control units, fuel pump, Electronic switching or control devices, Engine cooler with mounting, Exhaust gas recirculation, Injection control unit, Intake manifold, Selective catalytic reduction technology, Sensor for injection control unit, Supercharging contrivance with regulation, Switch and relays, Thermostat and engine mounted cooling lines)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	Heating and air conditioning (Auxiliary heater with control elements)
Malamine (typically used in coatings, inks, resins and polymers)	Body (Boat lid latch, locks and fittings) Electronic (Cable harness, Switch, sensor) Powertrain (Housing cover)
Bismutic acid (typically as plasticizer for production of polymers and paints)	Body (Door locks, grab handles and front fittings, Luggage car body components, Sealings) Chassis (Anti-lock system, Anti-lock system electrical components, Brake control (Hydraulic system)) Electronic (Auxiliary cable) Entertainment and Navigation (Central display and control unit) Heating and air conditioning (Nozzles, flow-out organs)
4,4'-(2,2,2-trifluoro-1-(trifluoromethyl)ethylidene)bisphenol (Bisphenol AF), (typically used for formulation and production of polymers & polymer processing)	Powertrain (Automatic transmission, Coolant pump with drive, Electro-solvent and control devices, Engine suspension, Exhaust gas recirculation, Intake manifold, Oil cooler lines, Supercharging contrivance with regulation, Throttle valve and control, Transmission housing mechanical (Rear gear part))
Bis(4-chlorophenyl)sulfone (typically for production of polymers and rubbers)	Powertrain (Exhaust gas recirculation, Intake manifold, Supercharging contrivance with regulation)
Diphenoxy(2,4,6-trimethylbenzoyl)phosphine oxide (typically as additive in plastic applications, for adhesives, sealants, coatings and inks)	Powertrain (Exhaust pipe with catalyst or complete system, DPF)
4-Nonylphenol, branched and linear (typically as dispersing agent in coatings, adhesives and paints)	Powertrain (Selective catalytic reduction technology)
2-(2H-benzotriazol-2-yl)-4-(1,1,1,3,3,3-hexamethylbutyl)phenol (typically as dispersing agent in coatings, adhesives, sealants, printing inks, fillers)	Body (Air guides, External fittings) Chassis (Steering column) Communication (Off-hands mobile communication) Electronic (Control units, modules, Front lamp cluster, Inner lights, Rear light cluster, Switch, sensor) Entertainment and Navigation (Loudspeaker and cover, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Heater with control, seat heating) Interior (Instrument panel)
2-benzyl-2-dimethylamino-4-morpholinobutylpyrene (typically for adhesives, sealants, coatings and inks)	Chassis (Anti-lock system) Powertrain (Thermostat and engine mounted cooling lines) Electronic (Hom)
Hexaerythrylphosphonium salt with 4,4'-(2,2,2-trifluoro-1-(trifluoromethyl)ethylidene)bisphenol (1:1), (typically as plasticizer (polymerization & vulcanization))	Powertrain (Exhaust gas recirculation, Oil cooler lines)
Dioctyl succinate (typically for production of polymers, coating products, adhesives and sealants)	Powertrain (Automatic transmission)
4-(2-methylphenyl)-2-(2-methylphenyl)ethyl 2-(4-cyanophenyl)-4-ylbutan-1-ol (typically as plasticizer for production of polymers and paints)	Chassis (Front axle suspension) Entertainment and Navigation (Video and tv-sets)
8-(Tricyclo[2.1.0]hept-2-ylidene-3-oxo-8-yl) O-isopropyl or isobutyl or 2-ethylthyl O-isopropyl or isobutyl or 2-ethylthyl phosphorodithioate (typically used in lubricants)	Powertrain (Vacuum pump)

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 rules under REACH. Similar changes occur with certain preservatives that are bound in polymers.