

**BMW 1 Series (DATE 01/2021)**

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 (ww). 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)
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione, TGIC (for production of resins and coatings)	Interior (Mirrors, sun visors, ashtrays, trays)
1,3-propanesultone (as electrolyte in batteries)	Wheels and tires (Car wheels)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol, UV-328 (for production of UV-adsorbing polymers and coatings)	Body (Boot lid latch, locks and fittings, Loose car body components)
2-Ethylhexyl 10-ethyl-4,4-diethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate, DOTE (for production of paints and polymers)	Electronic (Rear light cluster)
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (used as photo initiator in polymer production)	Body (Colours, paints and basic material, Loose car body components) Electronic (Control units, moduls, Windshield-washer unit) Powertrain (Coolants lines)
2-methylimidazole (as hardener in epoxy resins, for production of adhesives)	Electronic (Control units, moduls, Rear light cluster) Entertainment and Navigation (Video and tv-sets) Interior (Front seats) Powertrain/Chassis (Board equipment)
4-(1,1,3,3-tetramethylbutyl)phenol (for production of resins and polymers)	Powertrain (Exhaust pipe with catalyst or complete system, DPF)
4-Nonylphenol, branched and lin ear, ethoxylated (as dispersing agent in coatings, adhesives and paints)	Powertrain (Automatic transmission)
Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (as process solvent)	Powertrain (Automatic transmission)
Boric acid (as raw material for the production of glass, ceramics, and insulation, as additive in polymers, as flame retardant of cellulose and cotton)	Chassis (Steering column) Electronic (Windshield-washer unit) Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Heater with control, seat heating) Powertrain (Starter with mount)
Decamethylcyclopentasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Drive Assistance (Radio-controlled locking system) Powertrain (Engine cooler with mounting, Oil filter and lines, Oil pressure, -temperature, oil level indicator)
Diazene-1,2-dicarboxamide, ADCA (as blowing agent in plastic and rubber manufacturing)	Body (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, Sliding roof)
Diboron trioxide (for glass production of borosilicate and crystal glass)	Drive Assistance (Time-to-line crossing external camera) Electronic (Control units, moduls, Front lamp cluster, Instrument cluster, Switch, sensor) Heating and air conditioning (Air conditioner)
Dicyclohexyl phthalate (formulation of polymers, sealant compounds and textile printing)	Electronic (Rear light cluster)
Dodecamethylcyclohexasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Heating and air conditioning (Air conditioner)
Imidazolidine-2-thione, 2-imidazole-2-thiol (for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings) Chassis (Front axle suspension, Rear wheel brakes) Communication (Off-hands mobile communication)
Lead monoxide, lead oxide (as constituent of electronic components)	Drive Assistance (Time-to-line crossing external camera) Electronic (Control units, moduls, Front lamp cluster, Horn, Inner lights, Instrument cluster, Switch, sensor) Entertainment and Navigation (Central display and control unit) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays, Sliding roof) Powertrain (Automatic transmission, Carbon canister ventilation, Double clutch transmission, Preheating relay, Sensor for injection control unit)
Lead titanium zirconium oxide (as constituent of electronic components)	Chassis (Steering column) Electronic (Switch, sensor) Powertrain (Automatic transmission, Injection nozzles and tubing, Selective catalytic reduction technology, Sensor for injection control unit)
N,N-dimethylacetamide (as process solvent in polymer production)	Powertrain (Oil pressure, -temperature, oil level indicator)
Nonylphenol (as dispersing agent in coatings, adhesives and paints)	Powertrain (Automatic transmission)
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) Powertrain (Engine cooler with mounting, Selective catalytic reduction technology, Starter with mount)
Silicic acid, lead salt (as constituent in ceramic and glass)	Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Heater with control, seat heating)

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.