

**BMW X1 (DATE 07/2020)**

El grupo BMW asume los principios básicos de la sostenibilidad tomando medidas de forma proactiva para evitar el uso de determinadas sustancias químicas en la producción de sus vehículos. Por ello, los productos solo contienen sustancias imprescindibles por razones técnicas. Estas sustancias están integradas en los materiales, de modo que su liberación queda reducida a un nivel mínimo siempre que el producto se use según lo previsto. Por esta razón, un peligro para seres humanos y para el medio ambiente se puede excluir con una certeza casi absoluta. Esto implica que el vehículo y sus componentes se usen según lo previsto y respetando las instrucciones de funcionamiento y que las medidas de mantenimiento y reparación sean realizadas por expertos siguiendo las normas técnicas y los métodos recomendados. El manejo seguro del producto se especifica en el correspondiente manual. Este manual refleja nuestro afán de fomentar la sostenibilidad tanto en la producción, la elaboración y el uso de nuestros productos. Nuestras instrucciones e informaciones referentes a la reparación, las actividades de mantenimiento y las piezas de repuesto originales de BMW contienen además advertencias de seguridad a contemplar por parte del personal de servicio. Según la normativa de la eurozona, un vehículo usado solo puede ser eliminado en una empresa oficialmente autorizada para el reciclado de vehículos usados. Los componentes del vehículo se deberán eliminar asimismo de acuerdo con la normativa local y las autoridades competentes.

**Difusión de informaciones según el artículo 33 de REACH**

Este vehículo se compone de productos especificados en el artículo 3(3) del Reglamento (CE) n.º 1907/2006 del Parlamento Europeo y del Consejo relativo al registro, la evaluación, la autorización y la restricción de las sustancias y preparados químicos (REACH). Según el artículo 33, todo fabricante se compromete a poner a disposición información sobre las sustancias contenidas en sus productos. Este vehículo, incluidos todos los componentes del producto, contiene sustancias que cumplen los criterios especificados en el artículo 57 y que según el artículo 59(1) se detectan en una concentración de más del 0,1 por ciento en peso. Informamos además de que en casi todos los grupos de productos se utiliza la sustancia plomo (n.º de registro CAS 7439-92-1), principalmente como componente de aleación. Además, el plomo también puede encontrarse como componente en materiales metálicos reciclados.

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-Methyl-2-pyrrolidone, NMP (for production of electronic equipment and coatings)	Powertrain (Automatic transmission)
2-(2H-benzotriazol-2-yl)-4,6-diisopropylphenol, UV-328 (for production of UV-adsorbing polymers and coatings)	Electronic (Instrument cluster)
2-Ethylhexyl 10-ethyl-4,4-dioctyl-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, Windshield-washer unit)  Powertrain (Coolants lines)
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (used as photo initiator in polymer production)	Interior (Front seats) Powertrain/Chassis (Board equipment)
2-methylimidazole (as hardener in epoxy resins, for production of adhesives)	Electronic (Control units, moduls) Powertrain (Exhaust pipe with catalystr or complete system, DPF)
4-(1,1,3,3-tetramethylbutyl)phenol (for production of resins and polymers)	Powertrain (Automatic transmission)
4,4'-isopropylidenediphenol (for production of polymers and resins)	Electronic (Rear light cluster)
4-Nonylphenol, branched and linear, ethoxylated (as dispersing agent in coatings, adhesives and paints)	Powertrain (Automatic transmission)
Aluminosilicate Refractory Ceramic Fibres (for heat insulation)	Powertrain (Catalyst with suspension, DPF)
Boric acid (as raw material for the production of glass, ceramics, and insulation, as additive in polymers, as flame retardant of cellulose and cotton)	Electronic (Instrument cluster) 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)
Decamethylcyclopentasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Powertrain (Engine cooler with mounting, Oil filter and lines)
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, Rear door trim panel with armrests, Side trim panel with armrests)
Diboron trioxide (for glass production of borosilicate and crystal glass)	Chassis (Anti-block system) Communication (Off-hands mobile communication) Electronic (Front lamp cluster, High-voltage accumulator system, High-voltage battery individual components) Entertainment and Navigation (Airbag-releasing device, Two-way telephone and alarm system, Video and tv-sets) Heating and air conditioning (Heater with control, seat heating) Powertrain (Automatic transmission, Control Hybrides/E-drive, Delivery, preparation and content measurement, control units, fuel pump, Exhaust gas recirculation, Manual transmission)
Disodium octaborate (frits, cellulose insulation, and construction materials, flux and refractory mixtures)	Body (Safety belts)
Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene, "Dechlorane Plus" <sup>TM</sup> (as flame retardant)	Electronic (High voltage charging electronics) Entertainment and Navigation (Radio, amplifier, CD-player) Optional Equipment (Switches, small devices and ecus) Powertrain (Engine cooler with mounting)
Dodecamethylcyclohexasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Heating and air conditioning (Air conditioner)
Imidazolidine-2-thione, 2-imidazoline-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) E-Drive (Drive for wiper unit/headlight cleaning unit) Electronic (Plug-connection cable, clamp) Powertrain (Ecu box/mounting)
Lead monoxide, lead oxide (as constituent of electronic components)	Chassis (Anti-block system, Brake boosters) Communication (Off-hands mobile communication) Electronic (Control units, moduls, Front lamp cluster, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Horn, Instrument cluster) Entertainment and Navigation (Airbag-releasing device, Central display and control unit, Two-way telephone and alarm system) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Mirrors, sun visors, ashtrays, trays, Sliding roof) Optional Equipment (Switches, small devices and ecus) Powertrain (Alternator with drive and mountings, Automatic transmission, Carbon canister ventilation, Delivery, preparation and content measurement, control units, fuel pump, Double clutch transmission, Sensor for injection control unit)
Lead titanium zirconium oxide (as constituent of electronic components)	Electronic (Control units, moduls, High-voltage accumulator system, High-voltage battery individual components, Switch, sensor) Heating and air conditioning (Air conditioner) 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 (Alternator with drive and mountings, Control Hybrides/E-drive, 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)	Communication (Off-hands mobile communication) Electronic (Switch, sensor) Powertrain (Control Hybrides/E-drive, Engine cooler with mounting, Selective catalytic reduction technology, Starter with mount)
Silicic acid, lead salt (as constituent in ceramic and glass)	Electronic (Control units, moduls) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Heater with control, seat heating) Powertrain (Automatic transmission)
Terphenyl, hydrogenated (as additive in plastic applications, for adhesive and sealants, use for coatings/inks)	Powertrain (Control Hybrides/E-drive)

Este documento contiene informaciones relativas al material y al contenido basadas en observaciones propias y, sobre todo, en información procedente de nuestra cadena de suministro. Información adicional: Algunos óxidos anorgánicos están integrados en las estructuras de vidrio o cerámica lo que modifica las características específicas así como la clasificación según REACH. Se puede producir una constelación parecida con sustancias integradas en el polímero.