

**BMW X1 (DATE 01/2021)**

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)	Entertainment and Navigation (Anti-theft device)
1-Methyl-2-pyrrolidone, NMP (for production of electronic equipment and coatings)	Wheels and tires (Car wheels)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol, UV-328 (for production of UV-adsorbing polymers and coatings)	Powertrain (Automatic transmission)
2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (used as photo initiator in polymer production)	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)	Drive Assistance (Distance warning systems)
	Body (Colours, paints and basic material, Loose car body components)
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (used as photo initiator in polymer production)	Electronic (Control units, moduls, Windshield-washer unit)
	Powertrain (Coolants lines)
	Electronic (Cable harness)
	Interior (Front seats)
	Powertrain/Chassis (Board equipment)
	Electronic (Control units, moduls, High voltage charging electronics)
	Powertrain (Exhaust pipe with catalyst or complete system, DPF)
4-(1,1,3,3-tetramethylbutyl)phenol (for production of resins and polymers)	Powertrain (Automatic transmission)
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (as dispersing agent in coatings, adhesives and paints)	Powertrain (Exhaust controls)
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)
	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)
Decamethylcyclotetrasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Electronic (Auxiliary cable, High voltage charging electronics)
	Powertrain (Engine cooler with mounting, Oil filter and lines, Oil pressure, -temperature, oil level indicator)
	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)
Diazene-1,2-dicarboxamide, ADCA (as blowing agent in plastic and rubber manufacturing)	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)
	Communication (Off-hands mobile communication)
Diboron trioxide (for glass production of borosilicate and crystal glass)	Electronic (Front lamp cluster, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components)
	Entertainment and Navigation (Airbag-releasing device, Two-way telephone and alarm system)
	Heating and air conditioning (Heater with control, seat heating)
	Powertrain (Automatic transmission, Control Hybrides/E-drive, Exhaust gas recirculation)
Disodium octaborate (frits, cellulose insulation, and construction materials, flux and refractory mixtures)	Body (Safety belts)
	Electronic (High voltage charging electronics)
Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,15-diene, "Dechlorane Plus™" (as flame retardant)	Entertainment and Navigation (Radio, amplifier, CD-player)
	Powertrain (Engine cooler with mounting)
Dodecamethylcyclohexasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Electronic (Auxiliary cable)
	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)
	Powertrain (Ecu box/mounting)
	Chassis (Brake boosters)
	Communication (Off-hands mobile communication)
Lead monoxide, lead oxide (as constituent of electronic components)	Electronic (Control units, moduls, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Horn, Instrument cluster, Switch, sensor)
	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)
	Powertrain (Alternator with drive and mountings, Automatic transmission, Carbon canister ventilation, Double clutch transmission, Preheating relay, 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)
	Entertainment and Navigation (Airbag-releasing device)
	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)
	Communication (Off-hands mobile communication)
Octamethylcyclotetrasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Electronic (High voltage charging electronics, Switch, sensor)
	Powertrain (Control Hybrides/E-drive, Engine cooler with mounting, Selective catalytic reduction technology, Starter with mount)
	Electronic (Control units, moduls)
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)
	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 inorgánicos 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.