

| BMW X5 (DATE 10/2022) | |
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| <p>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 impresionables 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 mayor seguro del producto se especifica en el correspondiente manual. Este manual refuerza 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 de autoridades competentes.</p> | |
| Difusión de informaciones según el artículo 33 de REACH | |
| <p>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.</p> | |
| 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) |
| 2-Ethoxyethyl acetate (typically for production of paints and polymers) | Body (Underside panelling, Shielding engine bay/exhaust system) |
| 1,2-Dimethoxyethane, ethylene glycol dimethyl ether, EGDME (typically 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-Propanesultone (typically as electrolyte in batteries) | Drive Assistance (Radio-controlled locking system) Wheels and tires (Car wheels) |
| 6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol (typically for production of polymers and rubbers) | Body (Bodyshell) |
| 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers) | Entertainment and Navigation (Loudspeaker and cover) Chassis (Steering column) Drive Assistance (Radio-controlled locking system, Rear view camera) Electronic (Cable harness, Control units, moduls, Front lamp cluster, High voltage charging electronics, Rear light cluster, Side lamps, reflectors, Switch, sensor) Entertainment and Navigation (Antenna) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Thermostat and engine mounted cooling lines) Powertrain/Chassis (Board equipment) |
| 2-Methylimidazole (typically as hardener in epoxy resins and for production of adhesives) | Electronic (High voltage charging electronics) Powertrain (Engine cooler with mounting, Exhaust pipe with catalyst or complete system, DPF) |
| 4,4'-Isopropylidenediphenol (typically for production of polymers and resins) | Drive Assistance (Night Vision) Electronic (High voltage charging electronics) Entertainment and Navigation (Radio, amplifier, CD-player) Heating and air conditioning (Air conditioner, Heater with control, seat heating) |
| Diazene 1,2-dicarbonyl, ADCA (typically as blowing agent in plastic and rubber manufacturing) | Body (Bodyshell, Bonnet latch, locks and fittings, Colours, paints and basic material) Chassis (Rear axle suspension) Drive Assistance (Time-to-line crossing external camera) Electronic (Control units, moduls, Power distribution box, Jumper cable supports) Interior (Floor, trunk, engine compartment trim, mats, Side trim panel with armrests) |
| Lead monoxide, lead oxide (typically as constituent of electronic components) | Body (Air guides, Coverings rocker panel/wheelhouse, Door locks, grab handles and front fittings, Door locks, grab handles and rear fittings, Window mechanism with electrical control in rear door) Chassis (Active rear axle kinematic, Anti-block system, Lateral moment distribution rear axle, Pressure accumulator and pump unit, Self-levelling elements for hydropneumatic system electrical components, Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, Heading control, Rear view camera, Time-to-line crossing external camera) Electronic (Battery with holder, Brake lights, Control units, moduls, Fog lamps, additional lamps, Front lamp cluster, Head-up Display, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Horn, Inner lights, Instrument cluster, Rear light cluster, Switch, sensor, Windshield wipers) Entertainment and Navigation (Antenna, Central display and control unit, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays, Rear seats, Sliding roof) Powertrain (Alternator with drive and mountings, Automatic transmission, Carbon canister ventilation, Charge air cooler with mounting, Control Hybrides/E-drive, Coolant pump with drive, Exhaust gas recirculation, Fuel tank with filler pipe, Housing ventilation, Injection control unit, Injection nozzles and tubing, Intake silencer, Selective catalytic reduction technology, Sensor for injection control unit, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines, Variable valve train, Ventilation, evaporation emission control) |
| Silicic acid, lead salt (typically for production of glass and ceramics) | Electronic (Head-up Display) Body (Air guides) Chassis (Active rear axle kinematic, Anti-block system, Pressure accumulator and pump unit, Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, Night Vision, Radio-controlled locking system, Time-to-line crossing external camera) Electronic (Battery with holder, Control units, moduls, Front lamp cluster, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Instrument cluster, Switch, sensor, Windshield wipers) Entertainment and Navigation (Video and tv-sets) Heating and air conditioning (Air conditioner, Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays, Rear seats) Powertrain (Control Hybrides/E-drive, Coolant pump with drive, Exhaust gas recirculation, Housing ventilation, Injection control unit, Supercharging contrivance with regulation, Transfer box, Variable valve train) |
| Diboron trioxide (typically for production of borosilicate and crystal glass) | Body (Boot lid latch, locks and fittings, Safety belts) Electronic (Windshield-washer unit) Entertainment and Navigation (Video and tv-sets) Interior (Front seats) Powertrain (Starter with mount) |
| Boric acid (typically for production of glass and ceramics and as flame retardant) | Communication (Off-hands mobile communication) Drive Assistance (Radio-controlled locking system) Powertrain (Oil cooler lines, Oil filter and lines) Powertrain/Chassis (Board equipment) Wheels and tires (Car wheels) |
| Decamethylcyclotrisiloxane (typically as feedstock for the production of silicone polymers) | Body (Bodyshell) |
| Dicyclohexyl phthalate (typically as plasticizer for production of polymers) | Electronic (High-voltage battery individual components) Powertrain (Carbon canister ventilation, Coolant pump with drive, Exhaust gas recirculation, Sensor for injection control unit) Powertrain/Chassis (Board equipment) Wheels and tires (Car wheels) |
| Dodecamethylcyclohexasiloxane (typically as feedstock for the production of silicone polymers) | Body (Boot lid latch, locks and fittings, Bumper rear) Chassis (Front axle suspension, Front wheel brakes) Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Ecu box/mounting, Engine sound system, Propeller shaft, rear, Starter with mount) Powertrain/Chassis (Various accessories) |
| Imidazolidine-2-thione (typically for production of polymers and rubbers) | Powertrain (Automatic transmission, Coolants lines, Engine sound system) |
| Nonylphenol (typically as dispersing agent in coatings, adhesives and paints) | Body (Safety belts) Chassis (Accelerator foot control, Front axle suspension) Drive Assistance (Radio-controlled locking system) Electronic (Front lamp cluster) Interior (Insulating panel) Powertrain (Carbon canister ventilation, Control Hybrides/E-drive, Coolant pump with drive, Selective catalytic reduction technology) Powertrain/Chassis (Board equipment) |
| Octamethylcyclotrisiloxane (typically as feedstock for the production of silicone polymers) | Electronic (High voltage charging electronics, Switch, sensor) Heating and air conditioning (Heater with control, seat heating) Heating and air conditioning (Auxiliary heater with control elements) |
| 1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16.9.02.13.05.10]octadeca-7,13 diene, "Dechlorane Plus" (typically as flame retardant) | Electronic (Front lamp cluster, Head-up Display, Instrument cluster) |
| Aluminoasilicate Refractory Ceramic Fibres (typically for heat insulation) | Chassis (Self-levelling elements for hydropneumatic system) |
| 2-(2H-benzotriazol-2-yl)-4,5-dihydro-1H-imidazol-5-ol, UV-328 (typically for production of UV-absorbing polymers and coatings) | Communication (Off-hands mobile communication) |
| Alkanes, C14-17, chloro (typically as flame retardant and as additive in plastics, sealants, rubber, textiles) | Drive Assistance (Adaptive cruise control) |
| Cobalt(II) sulphate (typically for surface treatment) | Body (Bodyshell) |
| Lead titanium trioxide (typically as constituent of electronic components) | Powertrain (Exhaust controls) |
| 4-Nonylphenol, branched and linear (typically as dispersing agent in coatings, adhesives and paints) | Chassis (Pressure accumulator and pump unit) Electronic (Instrument cluster, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Thermostat and engine mounted cooling lines) |
| 4-(1,1,3,3-Tetramethylbutyl)phenol, ethoxylated (typically as dispersing agent in coatings, adhesives and paints) | Chassis (Pressure accumulator and pump unit) Electronic (Instrument cluster, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Thermostat and engine mounted cooling lines) |
| 2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (typically for adhesives, sealants, coatings and inks) | Electronic (Control units, moduls, Windshield-washer unit) |
| 2-Ethylhexyl 10-ethyl-4,4'-diethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate, DOTE (typically for production of paints and polymers) | Drive Assistance (Radio-controlled locking system) Electronic (Horn) |
| Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (typically as process solvent) | Electronic (Instrument cluster) |
| Hexahydro-4-methylphthalic anhydride (typically for production of resins and polymers) | Electronic (Instrument cluster) |
| 2,3-dibromo-1-propanol, 2,3-DBPA (typically as an intermediate in the manufacture of fine chemicals) | Entertainment and Navigation (Radio, amplifier, CD-player) |
| Diocetyl dilaurate (typically for production of polymers, coating products, adhesives and sealants) | Powertrain (Automatic transmission) |
| Potassium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate (typically as flame retardant in polycarbonates) | Communication (Off-hands mobile communication) |
| S-(Tricyclo[5.2.1.0(2.6)]deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate (typically used in lubricants) | Powertrain (Vacuum pump) |

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.