

BMW X5 (DATE 04/2023)	
<p>Il BMW Group s'impegna a rispettare i principi fondamentali della sostenibilità e adotta in modo proattivo misure atte a evitare determinate sostanze chimiche nella produzione di veicoli. Nei prodotti sono pertanto contenute solo le sostanze che sono indispensabili per ragioni tecniche. Tali sostanze sono impiegate incorporandole nei materiali, di modo che, previo un utilizzo conforme alla destinazione, la loro possibile emissione sia ridotta al minimo. E quindi possibile escludere con ogni probabilità un rischio per l'uomo e l'ambiente. Ciò presuppone che il veicolo e i suoi pezzi siano impiegati conformemente alla loro destinazione e alle istruzioni per l'uso e che le operazioni di manutenzione e riparazione siano eseguite da personale specializzato in conformità con le specifiche tecniche e conformemente alle norme applicabili. La manipolazione sicura del prodotto è spiegata nelle sue istruzioni per l'uso. Tali istruzioni corrispondono alla nostra aspirazione di promuovere una fabbricazione, una lavorazione e un impiego responsabili ai nostri prodotti. Le nostre istruzioni e informazioni riguardanti la riparazione e la manutenzione e i pezzi di ricambio originali BMW contengono inoltre istruzioni per la sicurezza che il personale addetto all'assistenza è tenuto a rispettare. Conformemente ai requisiti di legge dell'Unione Europea, un veicolo fuori uso può essere smaltito esclusivamente in un'azienda autorizzata al riciclaggio e recupero di veicoli fuori uso. I pezzi dei veicoli vanno smaltiti conformemente alle leggi localmente in vigore e alle autorità locali competenti.</p>	
Comunicazione di informazioni conformemente all'articolo 33 REACH	
<p>Questo veicolo è composto di prodotti definiti dall'articolo 3(3) del Regolamento n° 1907/2006 del Parlamento Europeo e del Consiglio riguardante la registrazione, valutazione, autorizzazione e restrizione di sostanze chimiche (REACH). Ai sensi dell'articolo 33, ogni fornitore ha l'obbligo di comunicare informazioni sulle sostanze presenti nei prodotti. Questo veicolo, compresi tutti i prodotti che lo compongono, contiene sostanze che soddisfano i criteri dell'articolo 57 e che ai sensi dell'articolo 59(1) sono state identificate in una concentrazione superiore allo 0,1 percento in peso. Vi informiamo che il piombo (Pb CAS 7439-92-1) è usato in tutti le categorie di prodotti, principalmente come elemento di lega. Inoltre il piombo può essere contenuto in sostanze metalliche riciclate.</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)
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) Entertainment and Navigation (Loudspeaker and cover)
2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (typically used in coatings, paints and fillers)	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 (Exhaust gas recirculation, Thermostat and engine mounted cooling lines)
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)	Electronic (High voltage charging electronics) Heating and air conditioning (Air conditioner, Heater with control, seat heating)
Diazene-1,2-dicarbamide, 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) Electronic (Power distribution box, Jumper cable supports) Interior (Floor, trunk, engine compartment trim, mats, Instrument panel, 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, 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, Steering gear) 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, Inner lights, Instrument cluster, Potential equalization, Rear light cluster, Switch, sensor, Windshield wipers)
Silicic acid, lead salt (typically for production of glass and ceramics)	Entertainment and Navigation (Airbag-releasing device, Antenna, Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Air conditioner, Auxiliary heater with control elements, Heater with control, seat heating) Interior (Front seats, Mirrors, sun visors, ashtrays, trays, Rear seats) Powertrain (Alternator with drive and mountings, Automatic transmission, Carbon canister ventilation, Charge air cooler with mounting, Control Hybrides/E-drive, Coolant pump with drive, Delivery, preparation and content measurement, control units, fuel pump, Electronic switching or control devices, 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, Thermostat and engine mounted cooling lines, Variable valve train, Ventilation, evaporation emission control)
Diboron trioxide (typically for production of borosilicate and crystal glass)	Communication (Off-hands mobile communication) Electronic (Head-up Display)
Boric acid (typically for production of glass and ceramics and as flame retardant)	Body (Air guides) Chassis (Anti-block system, 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, Instrument cluster, Potential equalization, Switch, sensor, Windshield wipers) Entertainment and Navigation (Airbag-releasing device, 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, Electronic switching or control devices, Exhaust gas recirculation, Housing ventilation, Injection control unit, Transfer box, Variable valve train)
Decamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers)	Body (Boot lid latch, locks and fittings) Electronic (Windshield-washer unit) Entertainment and Navigation (Video and tv-sets) Interior (Front seats) Powertrain (Starter with mount)
Dicyclohexyl phthalate (typically as plasticizer for production of polymers)	Drive Assistance (Radio-controlled locking system) Electronic (High-voltage battery individual components) Powertrain (Engine wiring harness, Oil cooler lines, Oil filter and lines) Powertrain/Chassis (Board equipment) Wheels and tires (Car wheels)
Dodecamethylcyclohexasiloxane (typically as feedstock for the production of silicone polymers)	Body (Bodyshell) Heating and air conditioning (Auxiliary heater with control elements)
Imidazolidine-2-thione (typically for production of polymers and rubbers)	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)
Nonylphenol (typically as dispersing agent in coatings, adhesives and paints)	Body (Boot lid latch, locks and fittings, Bumper rear) Chassis (Front axle suspension, Front wheel brakes) Powertrain (Ecu box/mounting, Engine sound system, Propeller shaft, rear, Starter with mount)
Octamethylcyclotetrasiloxane (typically as feedstock for the production of silicone polymers)	Powertrain (Automatic transmission, Coolants lines, Engine sound system)
1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.16,9.02.13.05.10]octadeca-7,15-diene, "Dechlorane Plus™" (typically as flame retardant)	Body (Safety belts) Chassis (Front axle suspension) Drive Assistance (Radio-controlled locking system) Electronic (Front lamp cluster, High voltage charging electronics, High-voltage battery individual components) Powertrain (Carbon canister ventilation, Control Hybrides/E-drive, Coolant pump with drive, Engine wiring harness, Selective catalytic reduction technology) Powertrain/Chassis (Board equipment)
2,2',5,5'-tetrabromo-4,4'-isopropylidenediphenol (typically as flame retardant and as additive in plastics and resins)	Electronic (High voltage charging electronics) Heating and air conditioning (Heater with control, seat heating)
Aluminosilicate Refractory Ceramic Fibres (typically for heat insulation)	Body (Boot lid latch, locks and fittings) Electronic (Battery with holder)
Melamine (typically used in coatings, inks, resins and polymers)	Heating and air conditioning (Auxiliary heater with control elements) Powertrain (Catalyst with suspension, DPF) Chassis (Steering gear) Communication (Off-hands mobile communication) Electronic (Cable harness, High voltage charging electronics, High-voltage battery individual components, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player) Interior (Front door trim panel with armrests, Mirrors, sun visors, ashtrays, trays)
Alkanes, C14-17, chloro (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Chassis (Self-levelling elements for hydropneumatic system)
4-Nonylphenol, branched and linear (typically as dispersing agent in coatings, adhesives and paints)	Body (Bodyshell)
2-benzyl-2-dimethylamino-4-morpholinobutylphenone (typically for adhesives, sealants, coatings and inks)	Chassis (Pressure accumulator and pump unit) Communication (Off-hands mobile communication) Electronic (Instrument cluster, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Thermostat and engine mounted cooling lines)
Bis[2-(2-methoxyethoxy)ethyl]ether, tetraglyme (typically as process solvent)	Drive Assistance (Radio-controlled locking system)
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)
Diocetylfin 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 polycarbonate)	Communication (Off-hands mobile communication)

Le informazioni su materiale e contenuto delle sostanze fornite nel presente documento si basano sulle nostre conoscenze e in particolare sui dati provenienti dai nostri fornitori. Informazione addizionale determinati ossidi inorganici sono incorporati in strutture di vetro o ceramica che modificano le loro proprietà individuali di sostanze e i loro obblighi di comunicazione previsti da REACH. Una situazione simile può verificarsi per determinati precursori che sono legati in polimeri.