

BMW 3er Limousine (STAND 12/2021)	
<p>Die BMW Group verpflichtet sich den Grundprinzipien der Nachhaltigkeit und ergreift proaktiv Maßnahmen, um bestimmte Chemikalien in der Fahrzeugproduktion zu vermeiden. Dementsprechend sind in Produkten nur solche Stoffe enthalten, die aus technischen Gründen unabdingbar sind. Diese Stoffe sind in ihrer Anwendung in die Materialien eingebunden, so dass bei bestimmungsgemäßer Nutzung eine mögliche Freisetzung auf ein Mindestmaß beschränkt ist. Demzufolge kann eine diesbezügliche Gefährdung für Mensch und Umwelt mit einer Sicherheit grenzender Wahrscheinlichkeit ausgeschlossen werden kann. Dies beinhaltet, dass das Fahrzeug und dessen Teile bestimmungsgemäß und nach Betriebsanleitung verwendet werden und Wartungs- und Reparaturmaßnahmen entsprechend der technischen Vorgaben durch Fachkräfte gemäß einschlägiger Standards erfolgen. Die sichere Handhabung des Produkts ist in dessen Betriebsanleitung erläutert. Diese Anleitung entspricht unserem Ansinnen, die verantwortungsbewusste Herstellung, Bearbeitung und Verwendung unserer Produkte zu fördern. Unsere Anleitungen und Informationen bezüglich der Reparatur und Wartungsarbeiten und Original BMW Ersatzteilen beinhalten zudem zu beachtende Sicherheitsanweisungen für das Servicepersonal. Entsprechend der gesetzlichen Vorgaben in der EZ darf ein Alltagsfahrzeug ausschließlich in einem zugelassenen Alltagsfahrzeug-Verwertungsbetrieb entsorgt werden. Fahrzeugteile sollten entsprechend in Übereinstimmung mit den regional vorhandenen Gesetzen und regionalzuständigen Behörden entsorgt werden.</p>	
<p><b>Bereitstellung von Informationen entsprechend Artikel 33 REACH</b></p> <p>Dieses Fahrzeug setzt sich aus Erzeugnissen zusammen, welche unter Artikel 3(3) der Verordnung Nr. 1907/2006 des EU-Parlaments und dem Rat für Registrierung, Bewertung, Zulassung und Beschränkung von Chemikalien (REACH) definiert sind. Jeder Lieferant ist gemäß Artikel 33 dazu verpflichtet, Informationen zu Stoffen in Erzeugnissen zur Verfügung zu stellen. Dieses Fahrzeug, einschließlich aller Erzeugnisse, aus denen das Produkt besteht, beinhaltet Stoffe, welche die Kriterien des Artikel 57 erfüllen und gemäß Artikel 59(1) in einer Konzentration über 0,1 Gewichtsprozent ermittelt wurden. Zusätzlich wird darauf hingewiesen, dass die Substanz Blei (CAS-Nr. 7439-92-1) in fast allen Produktgruppen, hauptsächlich als Legierungsbestandteil, Anwendung findet. Darüber hinaus kann Blei als Bestandteil in recycelten metallischen Werkstoffen enthalten sein.</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 (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 (as electrolyte in batteries)	Drive Assistance (Radio-controlled locking system) Wheels and tires (Car wheels)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol, UV-328 (for production of UV-adsorbing polymers and coatings)	Body (Bonnet latch, locks and fittings, Loose car body components) Electronic (Head-up Display, Instrument cluster) Interior (Floor, trunk, engine compartment trim, mats, Front seats)
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)	Body (Colours, paints and basic material, Loose car body components) Electronic (Control units, moduls, Windshield-washer unit)
2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (used as photo initiator in polymer production)	Drive Assistance (Radio-controlled locking system) Electronic (Control units, moduls, Front lamp cluster, High voltage charging electronics, Switch, sensor) Entertainment and Navigation (Antenna) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Housing ventilation)
2-methylimidazole (as hardener in epoxy resins, for production of adhesives)	Chassis (Rear wheel brakes) Electronic (High voltage charging electronics) Powertrain (Exhaust pipe with catalyst or complete system, DPF)
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)	Body (Airbags)
Acrylamide (for production of polymers and paints)	Powertrain (Alternator with drive and mountings)
Alkanes, C14-17, chloro (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Body (Window mechanism with electrical control in rear door)
Aluminosilicate Refractory Ceramic Fibres (for heat insulation)	Interior (Mirrors, sun visors, ashtrays)
Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (formulation of mixtures e.g. of polymers)	Powertrain (Alternator with drive and mountings)
Bis(2-(2-methoxyethoxy)ethyl)ether, tetraglyme (as process solvent)	Chassis (Steering column)
Boric acid (as raw material for the production of glass, ceramics, and insulation, as additive in polymers, as flame retardant of cellulose and cotton)	Body (Boot lid latch, locks and fittings) Electronic (Head-up Display) 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)	Drive Assistance (Radio-controlled locking system) Electronic (High voltage charging electronics) Powertrain (Engine cooler with mounting, Injection nozzles and tubing, Oil cooler lines, Oil filter and lines, Oil pressure, -temperature, oil level indicator, Sensor for injection control unit, Thermostat and engine mounted cooling lines) Wheels and tires (Car wheels)
Diazene-1,2-dicarboxamide, ADCA (as blowing agent in plastic and rubber manufacturing)	Body (Bodyshell, Bonnet latch, locks and fittings, Bumper rear, Loose car body components) Electronic (Control units, moduls, 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, Instrument panel, Insulating panel, Rear door trim panel with armrests, Rear seats, Side trim panel with armrests)
Diboron trioxide (for glass production of borosilicate and crystal glass)	Body (Body trim, Windshield and rear window) Chassis (Anti-block system) Drive Assistance (Adaptive cruise control, Distance warning systems, Night Vision, Radio-controlled locking system, Rear view camera, Time-to-line crossing external camera) Electronic (Battery with holder, Brake lights, Control units, moduls, Fog lamps, additional lamps, High voltage charging electronics, High-voltage accumulator system, High-voltage battery individual components, Instrument cluster, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player, Video and tv-sets) Heating and air conditioning (Air conditioner) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Coolant pump with drive, Housing ventilation, Supercharging contrivance with regulation, Variable valve train)
Dicyclohexyl phthalate (formulation of polymers, sealant compounds and textile printing)	Chassis (Rear wheel brakes) Powertrain (Engine cooler with mounting)
Dodecachloropentacyclo[12.2.1.16,9.02.13.05.10]octadeca-7,15-diene, "Dechlorane Plus" <sup>TM</sup> (as flame retardant)	Electronic (Switch, sensor) Powertrain (Engine cooler with mounting)
Dodecamethylcyclohexasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Electronic (High voltage charging electronics) Powertrain (Coolant pump with drive, Exhaust gas recirculation) Wheels and tires (Car wheels)
Imidazolidine-2-thione, 2-imidazoline-2-thiol (for production of polymers and rubbers)	Body (Boot lid latch, locks and fittings) Chassis (Front axle suspension, Front wheel brakes, Steering gear) Communication (Off-hands mobile communication) Powertrain (Ecu box/mounting, Starter with mount)
Lead monoxide, lead oxide (as constituent of electronic components)	Body (Body trim, Window mechanism with electrical control in front door, Window mechanism with electrical control in rear door) Chassis (Anti-block system, Brake boosters, Steering column) Communication (Off-hands mobile communication) Drive Assistance (Adaptive cruise control, Distance warning systems, 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, Switch, sensor) 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) Powertrain (Automatic transmission, Carbon canister ventilation, Fuel tank with filler pipe, Housing ventilation, Injection nozzles and tubing, Sensor for injection control unit, Supercharging contrivance with regulation, Thermostat and engine mounted cooling lines, Variable valve train, Ventilation, evaporation emission control)
Lead titanium zirconium oxide (as constituent of electronic components)	Chassis (Steering column) Electronic (High-voltage accumulator system, High-voltage battery individual components, Switch, sensor) Heating and air conditioning (Air conditioner) Powertrain (Injection nozzles and tubing, Selective catalytic reduction technology, Sensor for injection control unit)
Medium-chain chlorinated paraffins (typically as flame retardant and as additive in plastics, sealants, rubber, textiles)	Powertrain (Coolants lines)
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)	Body (Windshield and rear window) Chassis (Pedals) Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Automatic transmission)
Octamethylcyclotetrasiloxane (feedstock (i.e. monomer) for the production of various type of silicone polymers)	Chassis (Accelerator foot control) Drive Assistance (Radio-controlled locking system) Electronic (Front lamp cluster, High voltage charging electronics) Powertrain (Engine cooler with mounting, Selective catalytic reduction technology, Starter with mount)
Silicic acid, lead salt (as constituent in ceramic and glass)	Electronic (Head-up Display) Entertainment and Navigation (Radio, amplifier, CD-player)
Tetraboron disodium heptaoxide, hydrate (as lubricating grease and for production of glass and ceramics)	Interior (Front seats)
Trixylyl phosphate (as flame retardant in polymers)	Interior (Mirrors, sun visors, ashtrays, trays)

Das vorliegende Dokument enthält bezüglich Material und Stoffinhalt Informationen, die auf eigenen Erkenntnissen und insbesondere den Angaben aus unserer Lieferkette beruhen. Zusatzinformation: Bestimmte anorganische Oxide sind in Glas- oder Keramikstrukturen eingebunden, welche ihre individuellen Stoffeigenschaften sowie auch ihre Mitteilungspflicht unter REACH verändern. Eine ähnliche Konstellation kann sich bei Ausgangsstoffen ergeben, die in das Polymer eingebunden werden.