

PRODUCT NAME F45 (DATE 04/2018)

The BMW Group is committed to sustainable principles and is therefore taking proactive measures to avoid certain chemicals in the production of our vehicles. Due to that only substances that are technically required in the product are still contained. The substances are incorporated in such a way that potential exposure to the customers is minimised, and danger for humans or the environment can be excluded as long as the vehicle and its parts are used as intended, and any repairs, servicing and maintenance are carried out following technical instructions for those activities, and industry standard good practices. Safe use of the product is described in the owner manual that is consistent with our own commitment to promote the responsible manufacturing, handling and use of our products. Our information on repair and servicing of vehicles and genuine parts also includes safe use information for service personnel. An end-of-life vehicle may only be disposed of legally in the European Union at an Authorised Treatment Facility (ATF). Vehicle parts should be disposed in accordance with locally applicable laws and local authority guidance.

Communication of information according to Article 33 REACH

This product is composed of articles defined under Article 3(3) of the Regulation No 1907/2006 of the European Parliament and the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Any supplier shall comply with the duty to communicate information on substances in articles in accordance with Article 33. This product, including any article that the product is composed of, does contain substances meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0,1 % weight by weight (w/w).

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)	Wheels and tires (Car wheels)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol, UV-328 (for production of UV-adsorbing polymers and coatings)	Interieur (Rear seats, Trim panel trunk lid/tailgate) Powertrain (Propeller shaft, rear)
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) Electronic (Control units, moduls)
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)	Electronic (High voltage charging electronics)
4-Nonylphenol, branched and linear, ethoxylated (as dispersing agent in coatings, adhesives and paints)	Entertainment and Navigation (Radio, amplifier, CD-player) Powertrain (Coolant pump with drive, Fuel tank with filler pipe)
Aluminosilicate Refractory Ceramic Fibres (for heat insulation)	Powertrain (Catalyst with suspension)
Diazene-1,2-dicarboxamide, ADCA (as blowing agent in plastic and rubber manufacturing)	Interieur (Floor, trunk, engine compartment trim, mats) Body (Bonnet latch, locks and fittings) Chassis (Steering column) Entertainment and Navigation (Loudspeaker and cover) Powertrain/Chassis (Board equipment)
Diboron trioxide (for glass production of borosilicate and crystal glass)	Communication (Off-hands mobile communication) Drive Assistance (Distance warning systems) Electronic (Front lamp cluster, High-voltage accumulator system, Switch, sensor) Heating and air conditioning (Heater with control, seat heating) Interieur (Mirrors, sun visors, ashtrays, trays, Sliding roof) Powertrain (Manual transmission, Exhaust gas recirculation)
Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene, "Dechlorane Plus" TM (as flame retardant)	Electronic (High voltage charging electronics) Powertrain (Engine cooler with mounting)
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) Powertrain (Ecu box/mounting, Starter with mount) E-Drive (Drive for wiper unit/headlight cleaning unit) Entertainment and Navigation (Loudspeaker and cover)
Lead monoxide, lead oxide (as constituent of electronic components)	Electronic (Front lamp cluster, Horn, Switch, sensor) Communication (Off-hands mobile communication) Drive Assistance (Distance warning systems) Chassis (Brake boosters) Interieur (Mirrors, sun visors, ashtrays, trays, Sliding roof) Powertrain (Alternator with drive and mountings, Automatic transmission, Double clutch transmission, Engine cooler with mounting, Oil pressure, -temperature, oil level indicator, Sensor for injection control unit) Entertainment and Navigation (Airbag-releasing device) Heating and air conditioning (Air conditioner, Heater with control, seat heating)
Lead titanium zirconium oxide (as constituent of electronic components)	Electronic (High-voltage accumulator system, High-voltage battery individual components, Switch, sensor) 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)	Entertainment and Navigation (Loudspeaker and cover) Electronic (Front lamp cluster) Powertrain (Alternator with drive and mountings, Control Hybrides/E-drive, Oil filter and lines, Oil pressure, -temperature, oil level indicator, Thermostat and engine mounted cooling lines)

The information provided in this document related to material and substance content represents our knowledge and belief, which may be based in whole or in part on available information provided by suppliers to us.
Additional Information: Certain inorganic oxides are bound in glass or ceramic matrices that change their individual substance properties as well as their communication duties under REACH. Similar changes occur with certain precursors that are bound in polymers as well as certain solvents that are part of contained mixtures in a vehicle.