

PRODUCT NAME F32 (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)	Drive Assistance (Radio-controlled locking system) Wheels and tires (Car wheels)
1-Methyl-2-pyrrolidone, NMP (for production of electronic equipment and coatings)	Electronic (Power distribution box, Jumper cable supports)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol, UV-328 (for production of UV-adsorbing polymers and coatings)	Chassis (Pedals) Powertrain (Propeller shaft, rear) 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)	Electronic (Control units, moduls)
4,4'-Isopropylidenediphenol (for production of polymers and resins)	Electronic (Switch, sensor, Inner lights) Chassis (Steering column) Powertrain (Engine wiring harness) Heating and air conditioning (Heater with control, seat heating, Nozzles, flow-out organs)
4-Nonylphenol, branched and linear (as dispersing agent in coatings, adhesives and paints)	Drive Assistance (Adaptive cruise control)
Aluminosilicate Refractory Ceramic Fibres (for heat insulation)	Powertrain (Catalyst with suspension, Exhaust pipe with catalyst or complete system)
Diazene-1,2-dicarboxamide, ADCA (as blowing agent in plastic and rubber manufacturing)	Interior (Front seats, Floor, trunk, engine compartment trim, mats, Insulating panel, Side trim panel with armrests, Partition wall trim panels) Body (Bodyshell) Chassis (Steering column) Entertainment and Navigation (Loudspeaker and cover) Powertrain (Fuel tank with filler pipe, Ventilation, evaporation emission control)
Diboron trioxide (for glass production of borosilicate and crystal glass)	Electronic (Switch, sensor) Chassis (Steering gear) Powertrain (Manual transmission, Exhaust gas recirculation) Communication (Off-hands mobile communication) Heating and air conditioning (Air conditioner)
Imidazolidine-2-thione, 2-imidazoline-2-thiol (for production of polymers and rubbers)	Body (Door locks, grab handles and front fittings) Powertrain (Quick disconnects, terminals, loose parts, Starter with mount) Interior (Sliding roof) Entertainment and Navigation (Loudspeaker and cover)
Lead monoxide, lead oxide (as constituent of electronic components)	Electronic (Brake lights, Switch, sensor, Horn) Interior (Mirrors, sun visors, ashtrays, trays, Partition wall trim panels) Powertrain (Carbon canister ventilation, Automatic transmission, Oil pressure, -temperature, oil level indicator, Sensor for injection control unit) Drive Assistance (Distance warning systems, Rear view camera) Communication (Off-hands mobile communication) Heating and air conditioning (Air conditioner, Heater with control, seat heating)
Lead titanium zirconium oxide (as constituent of electronic components)	Drive Assistance (Side view camery system, Rear view camera, Distance warning systems) Interior (Mirrors, sun visors, ashtrays, trays) Powertrain (Sensor for injection control unit, Injection nozzles and tubing) Electronic (Control units, moduls, Front lamp cluster, Switch, sensor) Entertainment and Navigation (Radio, amplifier, CD-player)
N,N-dimethylacetamide (as process solvent in polymer production)	Heating and air conditioning (Heater with control, seat heating) Powertrain (Oil pressure, -temperature, oil level indicator)

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.