

SVHC SAFE USE INFORMATION

REACH ARTICLE 33 INFORMATION CONCERNING SUBSTANCES OF VERY HIGH CONCERN

Dear Customer,

The REACH Regulation (Reg. EC 1907/2006) Article 33(1) is aimed at enabling customers of supplied products to take any relevant risk management measures that may arise from the presence in articles of Substances of Very High Concern (SVHCs) listed on the current Candidate List for Authorisation, in order to guarantee their safe use.

FORD supports the underlying goals of REACH generally and Article 33(1) specifically, which are consistent with our own commitment to promote the responsible manufacturing, handling and use of our products.

Identification of SVHCs

To the best of our knowledge based on information received from our supply chain and our own product data, the SVHCs present in component articles at greater than 0.1% w/w are those shown on the relevant “SVHC List” for the specific vehicle/part.

Specific Safe Use Information for Articles Containing SVHCs

If applicable, Specific Safe Use Information for articles containing SVHCs is added to the relevant “SVHC List” for the specific vehicle/part.

General Safe Use Information for Articles

Each FORD vehicle is provided with an owner manual, which includes safe use information for owners/operators of the vehicle. FORD information on repair and servicing of vehicles and genuine parts also includes safe use information for service personnel.

Where present in parts of this vehicle, the SVHCs shown on the relevant “SVHC List” for the specific vehicle/part 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.

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.

Model: FORD RANGER

SVHC List based on ECHA Candidate list as of July 1st 2017

Specific Safe Use Information for Articles Containing SVHCs

No specific safe use information is required – follow General Safe Use Information for Articles.

Commodity	REACH SVHCs
A/C Compressor	1-Methyl-2-pyrrolidone [872-50-4]
	Lead [7439-92-1]
	N,N-Dimethylformamide [68-12-2]
A/C Condensers and Accumulators	Lead [7439-92-1]
A/C Lines, Receiver Drier and Accumulator	Lead [7439-92-1]
ABS/ESC Module	Imidazolidine-2-thione [96-45-7]
	Lead [7439-92-1]
Accessories	1,2-Dimethoxyethane [110-71-4]
	1-Methyl-2-pyrrolidone [872-50-4]
	C,C'-azodi(formamide) [123-77-3]
	Imidazolidine-2-thione [96-45-7]
	Lead [7439-92-1]
Active and Air Suspension	Lead [7439-92-1]
Adaptive Cruise Control	Lead [7439-92-1]
Air Brakes	Lead [7439-92-1]
AIS - Air Cleaner and Low Pressure Ducts	Imidazolidine-2-thione [96-45-7]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
AIS - High Pressure Ducts	Imidazolidine-2-thione [96-45-7]
	Lead [7439-92-1]
Alternator	Lead [7439-92-1]
Antenna	Lead [7439-92-1]
Appliques (Pillar, Decklid, Roof)	Cobalt-dinitrate [10141-05-6]
Audio and Navigation Head Units	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 [13560-89-9]
	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
	Lead-titanium-trioxide [12060-00-3]
Axle	Lead [7439-92-1]
	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched [68412-54-4]
Battery	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
Body Moldings - Roof Rack	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione [2451-62-9]
	C,C'-azodi(formamide) [123-77-3]

Body Structure - Body Side Assembly	C,C'-azodi(formamide) [123-77-3]
Body Structure - Decklid/Liftgate (incl Hinge/Supt)	1-Methyl-2-pyrrolidone [872-50-4]
	Boric acid [10043-35-3]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
Body Structure - Floor Pan - Front Floor and Side Sill	Imidazolidine-2-thione [96-45-7]
Body Structure - Front End Structure	Lead [7439-92-1]
Body Structure - Hood Assembly (incl Hinge/Supt)	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol [25973-55-1]
Body Structure - Pick-up Box (incl Tailgate/Hinge)	1-Methyl-2-pyrrolidone [872-50-4]
	C,C'-azodi(formamide) [123-77-3]
	Imidazolidine-2-thione [96-45-7]
	Lead [7439-92-1]
Brake Actuation	Lead [7439-92-1]
Brake Tubes and Hoses	Boric acid [10043-35-3]
	Cobalt-dinitrate [10141-05-6]
	Lead [7439-92-1]
Brakes - Caliper & Anchor Brkt Assy (Front, Rear)	Lead [7439-92-1]
CHMSL	Lead-monoxide [1317-36-8]
Clutch / DMF (Dual Mass Flywheel)	Lead [7439-92-1]
Console Floor/Rear	C,C'-azodi(formamide) [123-77-3]
Cooling - Transmission Oil Cooler	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione [2451-62-9]
Cooling Fans	Lead [7439-92-1]
Cooling Hoses & Bottles	Imidazolidine-2-thione [96-45-7]
Door Handles	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched [68412-54-4]
Driveshaft(s)	Imidazolidine-2-thione [96-45-7]
EDS Wiring Assembly & Components	4,4'-Isopropylidenediphenol [80-05-7]
	C,C'-azodi(formamide) [123-77-3]
	Decamethylcyclopentasiloxane [541-02-6]
	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead titanium zirconium oxide [12626-81-2]
	Lead-monoxide [1317-36-8]
	Nonoxinol [9016-45-9]
	Octamethylcyclotetrasiloxane [556-67-2]
EGR System (Gas/Diesel)	Imidazolidine-2-thione [96-45-7]
	Lead [7439-92-1]
Electro/Mechanical Devices	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters [68515-42-4]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
	N,N-Dimethylacetamide [127-19-5]
Electro/Mechanical Devices - Security	Lead(II,IV)-oxide [1314-41-6]
Electronic Control Panel and CCH	Diboron-trioxide [1303-86-2]

	Lead [7439-92-1]
	Lead titanium zirconium oxide [12626-81-2]
	Lead-monoxide [1317-36-8]
	Lead-titanium-trioxide [12060-00-3]
Electronic Modules - Displays	Boric acid [10043-35-3]
	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead titanium zirconium oxide [12626-81-2]
	Lead-monoxide [1317-36-8]
Electronic Modules - Door Zone	Lead [7439-92-1]
	Lead titanium zirconium oxide [12626-81-2]
Electronic Modules - Headlamp	Lead [7439-92-1]
Electronic Modules - Navigation	Diboron-trioxide [1303-86-2]
	Hexahydromethylphthalic-anhydride [25550-51-0]
Electronic Modules - Suspension	Lead [7439-92-1]
Electronic Modules - SYNC	4,4'-Isopropylidenediphenol [80-05-7]
	Boric acid [10043-35-3]
	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
	Lead-titanium-trioxide [12060-00-3]
Emergency Packet	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione [2451-62-9]
Evaporator and Blower Assembly (HVAC Module)	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched [68412-54-4]
	Refractory ceramic fibres [142844-00-6]
Exhaust Cold End (Muffler & Output Pipe Assembly)	Cobalt-dinitrate [10141-05-6]
	Lead [7439-92-1]
Exhaust Hot End (Catalytic Converter)	Refractory ceramic fibres [142844-00-6]
FEAD	Lead [7439-92-1]
	Octamethylcyclotetrasiloxane [556-67-2]
Fixed Glass	C,C'-azodi(formamide) [123-77-3]
	Lead [7439-92-1]
Front / Rear Door Trim	C,C'-azodi(formamide) [123-77-3]
	Lead [7439-92-1]
Fuel Door	Lead [7439-92-1]
Fuel Filler Pipes	Cobalt-dinitrate [10141-05-6]
	Lead [7439-92-1]
Fuel Lines	4,4'-Bis(dimethylamino)benzophenone [90-94-8]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
	Lead-titanium-trioxide [12060-00-3]
Fuel Tanks	Decamethylcyclopentasiloxane [541-02-6]
	Lead [7439-92-1]
	Lead-titanium-trioxide [12060-00-3]

	N,N-Dimethylacetamide [127-19-5]
Headlamp / Side Marker	1-Methyl-2-pyrrolidone [872-50-4]
	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
	Silicic acid, lead salt [11120-22-2]
Headliner / Sunvisor	C,C'-azodi(formamide) [123-77-3]
	Lead [7439-92-1]
Hydraulic Distribution	Lead [7439-92-1]
Instrument Cluster	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol [25973-55-1]
	Boric acid [10043-35-3]
	Lead [7439-92-1]
	Lead titanium zirconium oxide [12626-81-2]
	Lead-monoxide [1317-36-8]
Interior Lighting	4,4'-Isopropylidenediphenol [80-05-7]
	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead titanium zirconium oxide [12626-81-2]
IP Finish Panels/Registers	C,C'-azodi(formamide) [123-77-3]
IP Substrate and Ducts	Lead [7439-92-1]
	Refractory ceramic fibres [142844-00-6]
Knee Airbags	Lead [7439-92-1]
Latches - Hood, Decklid and Liftgate Latches	1-Methyl-2-pyrrolidone [872-50-4]
	2-Ethoxyethanol [110-80-5]
	Lead [7439-92-1]
Latches - Side Door/Latch Mini Module	Nonoxinol [9016-45-9]
Leaf Screen	Imidazolidine-2-thione [96-45-7]
Locks	1,2-Dimethoxyethane [110-71-4]
	Hexahydromethylphthalic-anhydride [25550-51-0]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
Main Floor Carpet	Imidazolidine-2-thione [96-45-7]
Mirrors	Lead [7439-92-1]
Moonroof	Boric acid [10043-35-3]
	C,C'-azodi(formamide) [123-77-3]
	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
Paint	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol [25973-55-1]
Park Assist	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol [25973-55-1]
	Lead [7439-92-1]
	Lead titanium zirconium oxide [12626-81-2]
	Lead-monoxide [1317-36-8]
PATS Transceiver	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead titanium zirconium oxide [12626-81-2]
	Lead-monoxide [1317-36-8]
Pedal Box	C,C'-azodi(formamide) [123-77-3]
	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
Powertrain Control Module (PCM/EEC/ ECM)	4,4'-Isopropylidenediphenol [80-05-7]
	Lead [7439-92-1]

	Lead-monoxide [1317-36-8]
PT Mounts	Lead [7439-92-1]
PT Sensors	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
Radiator Assembly	C,C'-azodi(formamide) [123-77-3]
Rain and Daylight Sensor	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione [2451-62-9]
	Diboron-trioxide [1303-86-2]
	Hexahydromethylphthalic-anhydride [25550-51-0]
	Lead [7439-92-1]
Restraint Electronics	Lead [7439-92-1]
Seat Belts (Front and Rear)	Cobalt-dinitrate [10141-05-6]
	Lead [7439-92-1]
Seats - JIT	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione [2451-62-9]
	C,C'-azodi(formamide) [123-77-3]
	Imidazolidine-2-thione [96-45-7]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
	Sodium borate, decahydrate [1303-96-4]
Seats - Structures	C,C'-azodi(formamide) [123-77-3]
Shifter Cables/Brackets - Auto	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 [13560-89-9]
	C,C'-azodi(formamide) [123-77-3]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
	N,N-Dimethylacetamide [127-19-5]
Side Air Bag (SAB) and Curtain Air Bag (CAB)	Lead [7439-92-1]
Side and Rear Vision (BLIS)	Lead [7439-92-1]
	Lead-titanium-trioxide [12060-00-3]
Smart Junction Box & Body Control Module (SPDJB)	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
Speakers / Tweeters	2-Ethoxyethanol [110-80-5]
	Imidazolidine-2-thione [96-45-7]
Steering Column	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
Steering Gear and Linkage	Lead [7439-92-1]
	Lead-titanium-trioxide [12060-00-3]
Switches - General Use	4,4'-Isopropylidenediphenol [80-05-7]
	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
Switches - Headlamp. Window & Door	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione [2451-62-9]
	Diboron-trioxide [1303-86-2]
	Hexahydromethylphthalic-anhydride [25550-51-0]
	Lead [7439-92-1]
	Lead titanium zirconium oxide [12626-81-2]
	Lead-monoxide [1317-36-8]
	Octamethylcyclotetrasiloxane [556-67-2]
Taillamp / Redundant	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione [2451-62-9]

	Diboron-trioxide [1303-86-2]
	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
Taillamp / Redundant - xEV - Traction Battery (as Shipped)	Nonoxinol [9016-45-9]
Temperature Sensors - Climate	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione [2451-62-9]
Tires	Lead [7439-92-1]
TPMS	1,2-Dimethoxyethane [110-71-4]
	1,3-Propanesultone [1120-71-4]
	Lead [7439-92-1]
Transfer Case (RWD)	Boric acid [10043-35-3]
	Cobalt-dinitrate [10141-05-6]
	Lead [7439-92-1]
	Octamethylcyclotetrasiloxane [556-67-2]
Transmission - Auto	Lead [7439-92-1]
Turbocharger	Cobalt-dinitrate [10141-05-6]
Underbody Shields and Wheel Liners	Imidazolidine-2-thione [96-45-7]
Wheel	1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione [2451-62-9]
Window Regulator	Lead [7439-92-1]
	Lead-monoxide [1317-36-8]
Wiper Assembly (Rear, Front) & Washer System	Lead [7439-92-1]
#N/A	Imidazolidine-2-thione [96-45-7]