

Cummins Fuel Pump

Introduction

According to Article 33 (Duty to communicate information on substances in articles) of the REACH regulation, EU REACH Regulation 1907/2006 (and UK equivalent), *“Any supplier of an article containing a substance 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) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance.”*.

Declaration of Use of Candidate List substances in Products

Cummins works actively to avoid and phase out Prohibited Substances in its products. See more information on Prohibited Substances on the [Prohibited Substances](https://public.cummins.com/prohibited-substances) page at public.cummins.com.

Under REACH, a fuel pump is considered a complex object because it is made up of more than one article. On a complex object level, the fuel pump does not contain any Candidate List substance of a concentration above 0.1% by article weight. However, constituent articles (sub-components) may contain such concentrations.

This declaration covers sub-components for all variants of the fuel pump and reflects the most recent update of the REACH Candidate List.

This declaration lists all Candidate List substances which could be found in concentrations above 0.1% by weight in sub-components. The identified parts are listed by part number, name, and information on where to find those parts in the fuel pump, and a reference to the contained substance(s).

Change Log

Issue 1: Initial release.

Issue 2: Dated 3-31-22.

Issue 3: Changed text from “is” to “could be” in Identified Sub-Components Contained in Fuel Pump section.

Dated 5-2-23.

Issue 4: Added SVHC Bis(4-chlorophenyl) sulphone (CAS No: 80-07-9).

Dated 8-15-23.

Issue 5: Added SVHC Triphenyl phosphate (CAS No: 115-86-6).

Dated 2-28-25.

Identified Candidate List Substances Contained in Fuel Pump

Substance ID	Name (en-GB)	CAS Number	EC Number	Date of Inclusion
A	Lead	7439-92-1	231-100-4	27/06/2018
B	Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	14/06/2023
C	Triphenyl phosphate	115-86-6	204-112-2	07/11/2024

Identified Sub-Components Contained in Fuel Pump

Substance concentration of 0.1% by weight could be exceeded in the parts and/or components denoted using curved brackets (e.g. {Flange bearing 3850-0134477-000 (285888916)}). Cummins part numbers are provided as a unique identifier for that component and are identified using parentheses inside the curved brackets.

ID	Path to Sub-Parts Containing Substances	Substance ID
1	[Pump, Fuel Transfer] {connector (HK0606A-05)}	A
2	[Pump, Fuel Transfer] {Cooler Plate (EFP040001.1)}	A
3	[Pump, Fuel Transfer] [Fuel Transfer Pump] [electrical pump] [end cap part] [wire] {Lead socket (HK0601A.1.1-01)}	A
4	[Pump, Fuel Transfer] [Fuel Transfer Pump] [electrical pump] [end cap part] {end cap (HK0601A.1-02)}	A
5	[Pump, Fuel Transfer] [Fuel Transfer Pump] [electrical pump] [carbon brush shelf parts] {Lead Pin (HK0601A.2.1-01)}	A
6	[Pump, Fuel Transfer] [Fuel Transfer Pump] [electrical pump] [15PM051 Armature] [Rotor Assembly] [Commutator] {Coper Shell (103310)}	A
7	[Pump, Fuel Transfer] [Fuel Transfer Pump] [electrical pump] [15PM051 Armature] [Rotor Assembly] [Commutator] {Graphite Disc (103310)}	A
8	[Pump, Fuel Transfer] [Fuel Transfer Pump] [electrical pump] [end cap part] {Solid Contact Pin Size 16 (0460-202-16141)}	A
9	[Pump, Fuel Transfer] [Fuel Transfer Pump] [electrical pump] [15PM051 Armature] [Rotor Assembly] {Spacer (104043 A)}	A
10	{Support, Fuel Pump (5474593)}	A
11	[Fuel pump electric] {Seat / Check Valve (37001600)}	A
12	[Fuel pump electric] [Valve in fitting] {Insert Iseli Supplied (64045)}	A

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ID	Path to Sub-Parts Containing Substances	Substance ID
13	[Pump, Gear Fuel] {VS M 18x1,5 – 17,5 lg blank (20067700)}	A
14	[Pump, Gear Fuel] {Zentrierhulse (598792)}	A
15	[Fuel Pump DU New Body] [Cummins IMV 1002950] [Cummins IMV] {Adjustment plug (381750)}	A
16	[Fuel Pump DU New Body] [Cummins IMV 1002950] [S / A Sleeve + Spool] {Sleeve (40001695_01F)}	A
17	[Fuel Pump DU New Body] [Cummins IMV 1002950] [S / A Sleeve + Spool] {Spool (40001700_02E)}	A
18	[Fuel Pump DU New Body] [Cummins IMV 1002950] {Moving Armature (40002874)}	A
19	[Fuel Pump DU New Body] [Socket Boss Plug] {Plug, Threaded (3678922)}	A
20	[Fuel Pump DU New Body] [Union Male] {Union Male (14552)}	A
21	[Fuel Pump DU New Body] {Fitting, Bleed Screw (4384015)}	A
22	[Fuel Pump DU New Body] [Body, Fuel Pump] [Body, Fuel Pump] [LK 950-060] {Hulse LKE-D-575.060 (300122422)}	A
23	[Fuel Pump DU New Body] [Body, Fuel Pump] [Body, Fuel Pump] [Plug LK 950-080] {Hulse LKE-D-575.080 (300122424)}	A
24	[Fuel Pump] [Sealing Plug - MB 850-060E] {Sleeve (5343687)}	A
25	[Fuel Pump] [Flange] {Filter (5343687)}	A
26	[Fuel Pump] {Anlauftring (5343687)}	A
27	[Fuel Pump] [Overflow Valve] {Hollow Bolt (5343687)}	A
28	[Fuel Pump] [Overflow Valve] {Valve Piston/Ventilkolben (5343687)}	A
29	[Fuel Pump] [Metering Unit/Zumesseinheir ZME] [Armature Complete/Anker komplett] {Anker (5343687)}	A
30	[Fuel Pump] [Metering Unit/Zumesseinheir ZME] {Magnetic Core/Magnetkern ZME3 (5343687)}	A
31	[Fuel Pump] [Metering Unit/Zumesseinheir ZME] {Sicherungselement (5343687)}	A
32	[Fuel Pump] [Non-return Valve] [Valve Bolt] {Ventilbolzen (5343687)}	A
33	[Pump, Fuel HP] [Sealing Plug - MB 850-060E] {Sleeve (5303745)}	A
34	[Pump, Fuel HP] [Flange] {Filter (5303745)}	A
35	[Pump, Fuel HP] {Anlauftring (5303745)}	A
36	[Pump, Fuel HP] [Overflow Valve] {Hollow Bolt (5303745)}	A

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ID	Path to Sub-Parts Containing Substances	Substance ID
37	[Pump, Fuel HP] [Overflow Valve] {Valve Piston/Ventilkolben (5303745)}	A
38	[Pump, Fuel HP] [Metering Unit/Zumesseinheir ZME] [Armature Complete/Anker komplett] {Anker (5303745)}	A
39	[Pump, Fuel HP] [Metering Unit/Zumesseinheir ZME] {Magnetic Core/Magnetkern ZME3 (5303745)}	A
40	[Pump, Fuel HP] [Metering Unit/Zumesseinheir ZME] {Sicherungselement (5303745)}	A
41	[Kit, Fuel Pump] [Assy High-Pressure Pump CP4.2 / Versammlunghochdruckpumpe CP4.2] [Metering Unit ZME4 CC-Radial MT6.4 C] [Magnet Casing] [Magnet Assembly] {Lagerbuchse/Bushing (1 928 492 396)}	A
42	[Kit, Fuel Pump] [Assy High-Pressure Pump CP4.2 / Versammlunghochdruckpumpe CP4.2] [Metering Unit ZME4 CC-Radial MT6.4 C] [Anker komplett] {Anker (1928492309)}	A
43	[Kit, Fuel Pump] [Assy High-Pressure Pump CP4.2 / Versammlunghochdruckpumpe CP4.2] [Metering Unit ZME4 CC-Radial MT6.4 C] {Magnetic Core (1928492721)}	A
44	[Kit, Fuel Pump] [Assy High-Pressure Pump CP4.2 / Versammlunghochdruckpumpe CP4.2] [Metering Unit ZME4 CC-Radial MT6.4 C] [Slot Cover] [Slot Cover altern APG 1 EW=65%] {valve piston/ventilkolben (1928492448)}	A
45	[Kit, Fuel Pump] [Assy High-Pressure Pump CP4.2 / Versammlunghochdruckpumpe CP4.2] [Metering Unit ZME4 CC-Radial MT6.4 C] {Retaining Element/Sicherungselement (1928492322)}	A
46	[Kit, Fuel Pump] [Assy High-Pressure Pump CP4.2 / Versammlunghochdruckpumpe CP4.2] [Gear pump/zahnradpumpe] {Ni coating ZP housing 265 (2445110265)}	A
47	{Gasket Fuel Pump (5491739)}	B
48	[HEAD,FUEL PUMP] [SPRING, COMPRESSION] {DYKEM Opaque Stain - Dark Green (81706)}	C

Information on Safe Use of the Substance(s) in the Sub-Components

In general, the Cummins Engine manual provides information on the safe handling of Cummins' engines and components. If available to Cummins, specific REACH Article 33 information on the safe use of sub-components can be found here:

ID	Information on Safe Use
---	No Information Available