

Cummins Actuator

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) page at public.cummins.com.

Under REACH, an actuator is considered a complex object because it is made up of more than one article. On a complex object level, the actuator 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 actuator 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 actuator, and a reference to the contained substance(s).

Change Log

Issue 1: Initial release, dated 3-31-22.

Issue 2: Added SVHC Bis(4-chlorophenyl) sulphone (CAS No: 80-07-9).

Dated 8-15-23.

Issue 3: Added SVHC Triphenyl phosphate (CAS No: 115-86-6), O,O,O-triphenyl phosphorothioate (CAS No: 597-82-0) and Octamethyltrisiloxane (CAS No: 107-51-7).

Dated 2-28-25.

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Identified Candidate List Substances Contained in Actuator

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
D	O,O,O-triphenyl phosphorothioate	597-82-0	209-909-9	21/01/2025
E	Octamethyltrisiloxane	107-51-7	203-497-4	21/01/2025

Identified Sub-Components Contained in Actuator

Substance concentration of 0.1% by weight is 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	[actuator ACV] [housing] {ACV Housing (A2C19061100)}	A
2	[actuator ACV] [motor assy] [motor] [Motor with pinion(HC355XLG-1030507F)] {Spacer (C3604)}	A
3	[actuator ACV] [motor assy] [motor] [Motor with pinion(HC355XLG-1030507F)] {Sleeve (C3604)}	A
4	[actuator ACV] [motor assy] [motor] [Motor with pinion(HC355XLG-1030507F)] {Bushing Housing (C3604)}	A
5	[actuator ACV] {Housing Colorado (A3C0189480000)}	A
6	[actuator ACV] [Motor with pinion(HC355XLG-1030507F)] {Spacer (C3604)}	A
7	[actuator ACV] [Motor with pinion(HC355XLG-1030507F)] {Sleeve (C3604)}	A
8	[actuator ACV] [Motor with pinion(HC355XLG-1030507F)] {Bushing Housing (C3604)}	A
9	[Disc, Actuator] {Disc, Actuator Blank (3036603)}	A
10	[Actuator Assembly-Service Kit] [Actuator Assembly] {CBA-2 Housing (E1570034668A0)}	A
11	[Thermal Actuator Assembly] {Sleeve (4M635-000)}	B
12	[BLDC ACTUATOR 5846] [GREASE GHY133] {Lubricant Grease (0002P070)}	C
13	[ACTUATOR ASSEMBLY] [PISTON GUIDE] {PES+PTFE (RTP 1403 15% TFE)}	C

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ID	Path to Sub-Parts Containing Substances	Substance ID
14	[Kit, Tur Electric Actuator] [SRA OUTLINE] [GENERAL ASSEMBLY] [COVER WATER ASSEMBLY] [ACTUATOR ASM] [COOLING BODY ASM] [COOLING BODY WITH ADHESIVE] [COOLING BODY WITH MOTOR] [MOTOR ASSEMBLY 24V] [STATOR ASM COMPETE - 24V] [STATOR ASM W/ BERING PRESS 24V] [Shell BRG] [Grease -L162-Molykote 7514] {Grease L162 (001948067-0000)}	D
15	[Actuator] [VGT Europa Actuator watercooling type A Non FEP PCB] [Output Gear Assembly] [6200 Bearing] [Grease] {Lubricant_Grease (Klübersynth BHP 72-102)}	D
16	[ACTUATOR, TUR ELECTRIC] [6Y541R ACT RAD CAP 12V] [PCB] {Conformal Coating (57731R)}	E
17	[ACTUATOR, TUR ELECTRIC] [9R541R 647 ACT SM-XTAL; 24V] [PCB] (Conformal Coating {58599R})	E

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