

Cummins Aftertreatment

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](http://public.cummins.com) page at public.cummins.com.

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

Change Log

Issue 1: Initial release.

Issue 2: Added “Diboron trioxide”.

Changed text from “is” to “could be” in Identified Sub-Components Contained in Aftertreatment section.

Dated 5-2-23.

Issue 3: Added SVHC Bis(4-chlorophenyl) sulphone (CAS No: 80-07-9).

Dated 8-15-23.

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Issue 4: Added SVHC Triphenyl phosphate (CAS No: 115-86-6) and O,O,O-triphenyl phosphorothioate (CAS No: 597-82-0).

Dated 2-28-25.

Identified Candidate List Substances Contained in Aftertreatment

Substance ID	Name (en-GB)	CAS Number	EC Number	Date of Inclusion
A	Lead	7439-92-1	231-100-4	27/06/2018
B	RCF (Refractory Ceramic Fibres)	142844-00-6	604-314-4	19/12/2011
C	Diboron trioxide	1303-86-2	215-125-8	18/06/2012
D	Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9	14/06/2023
E	Triphenyl phosphate	115-86-6	204-112-2	07/11/2024
F	O,O,O-triphenyl phosphorothioate	597-82-0	209-909-9	21/01/2025

Identified Sub-Components Contained in Aftertreatment

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	[DAF Device,Aftertreatment (SCR)] {Terminal (78542-1)}	A
2	[DAF Device,Aftertreatment (SCR)] [HYBRID CERAMIC ELECTRONICS MODULE ASSEMBLY] {Hybrid PCB (106787-4 Rev.A)}	A
3	[DEVICE,AFTERTREATMENT] {MAT, SUBSTRATE MOUNTING (A050M236)}	B
4	[DEVICE,AFTERTREATMENT] {MAT,SUBSTRATE MOUNTING (GSP00422)}	B
5	[DEVICE,AFTERTREATMENT] {MAT, SUBSTRATE MOUNTING (A061H717)}	B
6	[Module,Aftertreatment Outlet] [Module,SCR Outlet_A067N424_REV] [Submodule,Catalyst_A064V075] [Mat, Substrate Mounting] {Mat,Substrate Mounting (A064G857)}	B

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ID	Path to Sub-Parts Containing Substances	Substance ID
7	[Module,Aftertreatment Outlet] [Module,SCR Outlet_A067N424_REV] [Submodule,Catalyst_A064V075] [Mat, Substrate Mounting] {Mat,Substrate Mounting (A064G856)}	B
8	[System,Aftertreatment] [Module,DPF Catalyst_A065U844] [Body,Muffler_A060S920] [Module,DPF Catalyst_A063Z761] [Mat, Substrate Mounting] {Mat,Substrate Mounting (A064G853)}	B
9	[DEVICE,AFTERTREATMENT] [MAT,SUBSTRATE NOUNTING] {RCF (A031A665)}	B
10	[DEVICE,AFTERTREATMENT] [MAT,SUBSTRATE NOUNTING] {RCF (A035L302)}	B
11	[DEVICE, AFTERTREATMENT] {MAT,SUBSTRATE MOUNTING (A035N699)}	B
12	[DEVICE,AFTERTREATMENT] {MAT,SUBSTRATE MOUNTING (GSP00426)}	B
13	[DEVICE, AFTERTREATMENT] {MAT,SUBSTRATE MOUNTING (GSP00419)}	B
14	[DEVICE,AFTERTREATMENT] {MAT,SUBSTRATE MOUNTING>(GSP00421)}	B
15	[DEVICE,AFTERTREATMENT] {GSP00427 (GSP00427)}	B
16	[DEVICE,AFTERTREATMENT] {Insulation (A030E924)}	C
17	[DEVICE,AFTERTREATMENT] {Insulation (A030E925)}	C
18	[DEVICE, AFTERTREATMENT] {Insulation> (A034S936)}	C
19	[DEVICE, AFTERTREATMENT] {Insulation> (A034S937)}	C
20	[DEVICE,AFTERTREATMENT] {Insulation (A030E929)}	C
21	[SCR Module Assy] [water pump asm 2.8L series] [water pump bearing] [Seal] {compound (009544313-0000)}	D
22	[Module, Doser Fluid Supply] [Cover A050S574 -M-] [Vergußmasse] {WEVO-Casting resin PU 403 FL/5 with WEVO-Hardener 300 RE (306526)}	E
23	[Dosing Unit LO UL2 24 V] [A059R052 Cover long Pins] [Vergußmasse] {WEVO-Casting resin PU 403 FL/5 with WEVO-Hardener 300 RE (306526)}	E
24	[Module, Doser Fluid Supply] [Pumpenmembrane mit.Antrieb -1487-] [BG Motor -1395-] [Rillenkugellager] [Grease] {Lubricant_Grease (LY684)}	F
25	[FireFox SCR module assy] [water pump asm 2.8L series] [WF1 1017.06(IZT)] [Grease L198-S132120-198-P] {Grease L198 (013189255-0000)}	F

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