

## Cummins Aftertreatment – Stage V

### Introduction

According to Article 33 (Duty to communicate information on substances in articles) of the REACH regulation, *“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](#) page at public.cummins.com.

Under REACH, an aftertreatment system 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 engine 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 before that date.

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 engine, and a reference to the contained substance(s).

### Changes from Previous Issue

Addition of RCF to list

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## Identified Candidate List Substances Contained in Aftertreatment

Substance ID	Name (en-GB)	Name (en-GB)	CAS Number	EC Number	Date of Inclusion *
A	Lead	Lead	7439-92-1	231-100-4	27/06/2018
B	Octamethylcyclotetrasiloxane		556-67-2	209-136-7	27/06/2018
C	RCF	RCF	142844-00-6	604-314-4	19/12/2011

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## Identified Sub-Components Contained in Aftertreatment

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	[Device, Aftertreatment] [Device, Aftertreatment] [EPA15-Bracket Support] [Nox SNS141A] [NOS A0] [Cable Harness NOx-Gen 3 incl. Sub assy NOSA0] [Modul-Ara-housing cpl. Assembled NOSA0] [Module - Housing with the contact carrier] [Module-Contact bases splash NOX sensor ag] {ept Kontaktband - Wickelrichtung rechts (1190010701)}	A
2	[Device, Aftertreatment] [Device, Aftertreatment] [EPA15-Bracket Support] [Nox SNS141A] [housing/Gehäuse Cod.A Black] {contact couple (37 9330 0210 99 505)}	A
3	[Device, Aftertreatment] [Device, Aftertreatment] [EPA15-Bracket Support] [wiring Harness] {Pin Contact Size 20 16-18 AWG (133696)}	A
4	[Device, Aftertreatment] [Decomp Reactor SCR SI9EO 24 Volt] [Decompreactor] [Dosing Module] {ETI-5-6 DNOX Fuel Injector compact xt (0280158714)}	A
5	[Device, Aftertreatment] [Decomp Reactor SCR SI9EO 24 Volt] [Decompreactor] [Dosing Module] {Dosing Module Body (A030P707)}	A
6	[Device, Aftertreatment][Device, Aftertreatment][Module, Pressure Sensing]{Hose, Formed (A059B280)}	B
7	[Device, Aftertreatment] [EPA15-ISBL/L-SCR-HORIZONTAL-SISO] [MR 2015 Beta Parts for EIEO H and SISO H (Regular) Stuff and Sized Outer Body (HESS)] {Vermiculite+Refractory Ceramic Fibres}	C
8	[Device, Aftertreatment] [EPA15-ISBL/L-SCR-HORIZONTAL-SISO] [MR 2015 Beta Parts for EIEO H and SISO H (Regular) Stuff and Sized Outer Body (HESS)] {Mat, Substrate Mounting}	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' aftertreatments. If available to Cummins, specific REACH Art. 33 information on the safe use of sub-components can be found here:

<b>ID</b>	<b>Information on Safe Use</b>
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