

Cummins Turbo Charger

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](#) page at public.cummins.com.

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

Change Log

Issue 1: Initial release.

Issue 2: Removed Cadmium as a substance, as below declarable level.

Issue 3: Removed “Decabromodiphenylether” as a substance.

Dated 4-22-22.

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Identified Candidate List Substances Contained in Turbo Charger

Substance ID	Name (en-GB)	CAS Number	EC Number	Date of Inclusion
A	Lead	7439-92-1	231-100-4	27/06/2018

Identified Sub-Components Contained in Turbo Charger

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	[Turbocharger] [Turbocharger.ID17.HX40W] {Bearing (3503100)}	A
2	[Turbocharger] [Turbocharger.ID17.HX40W] {Eblow Hose (3528121)}	A
3	[Turbocharger] [Turbocharger.ID17.HX40W] {Bearing Thrust (3595651)}	A
4	[Turbocharger] [Turbocharger.ID17.HX40W] {Compressor Housing FP (4050368)}	A
5	[Turbocharger] [Turbocharger.ID17.HX40W] {Bearing (4038357)}	A
6	[Turbocharger] [Turbocharger.ID17.HX40W] [Rod End Assy] {Nut (Adjusting) (HA26001-017-01)}	A
7	[Turbocharger] [Turbocharger.ID17.HE400WG] [Rod End Assy] {Nut (Adjusting) (HA26001-017-01)}	A
8	[Turbocharger] [Turbocharger.ID17.HE400WG] {Eblow Hose (3528121)}	A
9	[Turbocharger] [Turbocharger.ID17.HE400WG] {Bearing Thrust (3595651)}	A
10	[Turbocharger] [Turbocharger.ID17.HE400WG] {Bearing (3503100)}	A
11	[Turbocharger] [Turbocharger.ID17.HE200WG] [Core Assembly.HE200WG] {Bearing (3773689)}	A
12	[Turbocharger] [Turbocharger.ID17.HE221W] [Core, Turbocharger] {Bearing Thrust (49183-21500)}	A
13	[Turbocharger] [Turbocharger.ID17.HE221W] [Core, Turbocharger] {Bearing (49177-21100)}	A
14	[Turbocharger] [Turbocharger.ID17.HE400WG] {Eblow Hose (3537930)}	A
15	[Turbocharger] [Turbocharger.ID17.HE250WG] [Core Assembly.HE250WG] {Bearing Thrust (3782510)}	A

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16	[Turbocharger] [Turbocharger.ID17.HE250WG] [Core Assembly.HE250WG] {Bearing (3775334)}	A
17	[Turbocharger] [Turbocharger.ID17.HE500WG] {Bearing (3534833)}	A
18	[Turbocharger] [Turbocharger.ID17.HE500WG] {Bearing Thrust (4038031)}	A
19	[Turbocharger] [Turbocharger.ID17.HE500WG] {Eblow Hose (3528121)}	A
20	[Turbocharger] [Turbocharger.ID17.HE500WG] {Sensor, Temperature (4088832)}	A

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' engine 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