

## Cummins Lithium Ion Battery

### 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 lithium ion battery is considered a complex object because it is made up of more than one article. On a complex object level, the lithium ion battery 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 lithium ion battery 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 lithium ion battery, and a reference to the contained substance(s).

### Change Log

Issue 1: Initial release.

Issue 2: Removed “1,3-propanesultone”.

Dated 5-2-23.

Issue 3: Edited throughout to add in standard text and tables for SVHC items.

Added “1,2-Oxathiolane, 2,2-dioxide”.

Dated 10-10-23.

## Identified Candidate List Substances Contained in Lithium Ion Battery

Substance ID	Name (en-GB)	CAS Number	EC Number	Date of Inclusion
A	1,2-Oxathiolane, 2,2-dioxide	1120-71-4	214-317-9	17/12/2015

## Identified Sub-Components Contained in Lithium Ion Battery

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	[Battery] [Cell] {Electrolyte (59422141)}	A

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

In general, the Cummins product manual provides information on the safe handling of Cummins' products 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