



ABB Switzerland Ltd.
Via Luserte Sud 9
6572 Quartino
Switzerland

PHONE DIRECT +41 91 850 29 29
FAX DIRECT +41 91 840 12 54
DATE October 4, 2024

Subject: REACH declaration

To whom it may concern:

With reference to the Regulation (EC) No 1907/2006 issued by the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) entered in force on 1st June 2007, please be informed that:

- ABB continuously assesses its products for content of Substances of Very High Concern (hereinafter SVHC), included in the "Candidate List" by the European Chemicals Agency (ECHA) as per Annex XIV of the REACH Regulation;
- under normal and reasonably foreseeable usage conditions, products manufactured by ABB do not intentionally release any substance or preparation;
- a substance on its own, in a preparation or in an article, for which Annex XVII contains a restriction is not manufactured, placed on the market or used inside ABB products unless it complies with the conditions of that restriction.

According to our best knowledge and according to information provided by suppliers, ABB states that manufactured Uninterruptible Power Supplies (UPSs) and related accessories comply with the materials and the restrictions in Regulation (EC) No 1907/2006.

Substances used by ABB UPS products, listed in the "Candidate List" updated on 23th January 2024 and used in excess of 0.1% w/w are reported in ABB document 4NWD005613.

Place Date
CH-Quartino 4.10.2024

Engineering Manager

Local Product Group Manager


Marco Piemontesi


Carlo Bassi

DOC. NUMBER 4NWD005611 REV.D

SVHC present in excess of 0.1% UPS

Lead (CAS # 7439-92-1) - applies to every UPS products

- Certain fasteners
- Certain electronic component mounted over printed circuit boards
- Certain heatsink mounted semiconductors
- Certain connectors mounted over cables
- Within DIN rail power supplies, where used
- Certain fuses
- VRLA battery blocks, where used

1,2 – Dimethoxyethane; ethylene glycon dimethyl ether (EGDME) (CAS # 110-71-4) - applies to SG Series IEC, TLE Series IEC S2, TLE Series UL, MegaFlex UL, UPS PowerValue 11 RT 3kVA B

- Certain back-up CR-Types batteries Lithium/MnO2 technology as printed circuit boards components

6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (CAS # 119-47-1) - applies to TLE Scalable UL S1

- Certain electronic component mounted over printed circuit boards

Lead titanium zirconium oxide (CAS # 12626-81-2) - applies to SG Series IEC, TLE Series IEC S2, TLE Series UL, MegaFlex UL

- Certain electronic component mounted over printed circuit boards

Lead Monoxide (Lead Oxide) (CAS # 1317-36-8) - applies to every UPS products

- Certain SMD resistors mounted over printed circuit boards
- Within certain DIN rail power supplies, where used
- Certain heatsink mounted semiconductors

1,3,5-triglycidyl-s-triazinetriene (CAS # 2451-62-9) - applies to MegaFlex UL

- Certain current transducers

Diboron Trioxide (CAS # 1303-86-2) - applies to SG Series IEC, TLE Series IEC S2, TLE Series UL, MegaFlex UL, optional kit for RPA connection

- Certain SMD resistors mounted over printed circuit boards
- Certain SMD diodes mounted over printed circuit boards

Dodecamethylcyclotrihexasiloxane [D6] (CAS # 540-97-6) - applies to TLE Series IEC S2, TLE Series UL, MegaFlex

- Certain cartridge fuses

2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (CAS # 71868-10-5) - applies to UPS

Cadmium (CAS # 7440-43-9) - applies to UPS PowerValue 11 RT

- Certain relays mounted over printed circuit boards

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| Author | Arturo Canonica | Document Title | SVHC present in excess of 0.1% MCCBs/ACBs | Rev. D |
| Role | R&D Senior Certification Engineer | Document Number | 1SDL000572R0001 | Number of Pages |
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Bisphenol A (BPA) (CAS # 80-05-7) - applies to Megaflex UL

- Certain current transducers

Ethylene thiourea (CAS # 96-45-7) - applies to UPScale ST S2, PowerWave 33

- Certain contactors

Perfluorobutane sulfonic acid (PFBS) and its salts - applies to PowerWave 33, ConceptPower DPA

- Certain terminal blocks

Octamethylcyclotetrasiloxane (CAS # 556-67-2) - applies to SG Series IEC S1 (up to 40kVA), SG Series IEC S3

- Within certain DIN rail power supplies, where used
- Within certain 10x38 mm fuses

Decamethylcyclopentasiloxane (CAS # 541-02-6) - applies to SG Series IEC S1 (up to 40kVA), SG Series IEC S3, TLE Series IEC S2, TLE Series UL S2 (from 160kW), MegaFlex UL

- Within certain DIN rail power supplies, where used
- Within certain 10x38 mm fuses

Dodecamethylcyclohexasiloxane (CAS # 540-97-6) - applies to SG Series IEC S1 (up to 40kVA), SG Series IEC S3, TLE Series IEC S2, TLE Series UL S2 (from 160kW), MegaFlex UL

- Within certain DIN rail power supplies, where used
- Within certain 10x38 mm fuses

Silicic acid, lead salt (CAS # 11120-22-2) - applies to SG Series IEC, TLE Series IEC S2, TLE Series UL, MegaFlex UL

- Certain SMD resistors mounted over printed circuit boards

4,4'-Methylenedianiline (CAS # 101-77-9) - applies to TLE Series UL (up to 150kW Scalable)

- Certain SMD diodes mounted over printed circuit boards

Ethylene Glycol Monoethyl Ether Acetate (CAS # 111-15-9) - applies to SG Series IEC (range 60kVA to 120kVA)

- Certain crystal quartz over printed circuit boards

Orange lead (Lead Tetroxide) (CAS # 1314-41-6) - applies to SG Series IEC

- Certain SMD diodes mounted over printed circuit boards

Ethylenethiourea (CAS # 96-45-7) - applies to PowerWave 33, MegaFlex DPA IEC, UPScale DPA, PowerLine DPA

- Certain rubber glands

N,N-Dimethylacetamide (CAS # 127-19-5) - applies to PowerWave 33

- Certain fans

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