1SDL000282R1448

Subject: REACh Regulation

Bergamo, September 30th, 2024

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 the current best knowledge and according to the information provided by suppliers, ABB states that manufactured Moulded Case, Air and Solid State Circuit Breakers and related accessories comply with the materials and the restrictions in Regulation (EC) No 1907/2006.

All information concerning SVHC listed in the "Candidate List” updated on 23rd January 2024 present in excess of 0.1% w/w is illustrated in ABB document 1SDL000572R0001.

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SVHC present in excess of 0.1% MCCBs, ACBs and SSCBs

MOULDED CASE CIRCUIT BREAKERS (MCCBs)

Lead (CAS # 7439-92-1)

- Some electronic components mounted inside trip units of Tmax, Tmax XT and Formula circuit breakers
- Some electronic components mounted inside shunt opening release for Tmax XT XT5-XT6 circuit breakers
- Some electronic components mounted inside undervoltage release for Tmax XT XT5-XT6 circuit breakers
- Some electronic components mounted inside shunt opening release for Tmax XT XT7 circuit breakers
- Some electronic components mounted inside shunt closing release for Tmax XT XT7 circuit breakers
- Some electronic components mounted inside undervoltage release for Tmax XT XT7 circuit breakers
- Some electronic components mounted inside undervoltage release for Tmax T7 circuit breakers
- Some electronic components mounted inside electronic motor operators for Tmax T4-T5 circuit breakers
- Some electronic components mounted inside under voltage device for Tmax and Tmax XT circuit breakers
- Some electronic components mounted inside residual current devices for Tmax and Tmax XT circuit breakers
- Some electronic components mounted inside Ekip COM module for Tmax XT circuit breakers
- Some electronic components mounted inside Ekip T&P unit
- Some electronic components mounted inside Ekip TT unit
- An insert mounted inside Tmax T1...T5, Tmax XT XT1…XT4-XT7 and Emax 2 E1.2-E4.2 circuit breakers
- A brass insert mounted inside Tmax T4-T5-T7, Tmax XT XT4-XT5-XT7 and Emax 2 circuit breakers
- An insert mounted inside Tmax T4-T5 circuit breakers
- A pin mounted inside operating mechanism for Formual A2 circuit breakers
- A terminal board for moulded case circuit breakers
- A terminal board for shunt opening releases and for undervoltage releases for Tmax T4-T5 circuit breakers

1,2 – Dimethoxyethane; ethylene glycon dimethyl ether (EGDME) (CAS # 110-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Tmax XT circuit breakers

1,3 – Propanesultone (CAS # 1120-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Tmax XT circuit breakers

Decamethylcyclopentasiloxane [D5], Dodecamethylcyclohexasiloxane [D6], Octamethylcyclotetrasiloxane [D4] (CAS # 540-97-6, CAS # 541-02-6, CAS # 556-67-2)

- A damper mounted inside trip coil for Tmax XT XT5 circuit breakers
- A silicone sheath mounted inside Tmax XT XT5 circuit breakers
- Components inside sensor assemblies for Tmax XT XT2-XT4 circuit breakers

Terphenyl, hydrogenated (CAS # 61788-32-7)

- Components inside toroid assemblies for Tmax T7 and Tmax XT XT7 circuit breakers

SVHC present in excess of 0.1% MCCBs, ACBs and SSCBs

AIR CIRCUIT BREKAERS (ACBs)

Lead (CAS # 7439-92-1)

- Some electronic components mounted inside trip units of Emax 2 and Formula Air circuit breakers
- Some electronic components mounted inside shunt opening release for Emax 2 circuit breakers
- Some electronic components mounted inside shunt closing release for Emax 2 circuit breakers
- Some electronic components mounted inside undervoltage release for Emax 2 circuit breakers
- Some electronic components mounted inside residual current toroid for Emax 2 E1.2 circuit breakers
- Some electronic components mounted inside Ekip T&P unit
- Some electronic components mounted inside Ekip TT unit
- A terminal board for air circuit breakers

1,2 – Dimethoxyethane; ethylene glycon dimethyl ether (EGDME) (CAS # 110-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Emax 2 circuit breakers

1,3 – Propanesultone (CAS # 1120-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Emax 2 circuit breakers

Terphenyl, hydrogenated (CAS # 61788-32-7)

- Components inside toroid assemblies for Emax 2 circuit breakers

Ethylene thiourea

- Rubber protection ring mounted inside Emax 2 E2.2 circuit breakers

SVHC present in excess of 0.1% MCCBs, ACBs and SSCBs

SOLID STATE CIRCUIT BREAKERS (SSCBs)

Lead (CAS # 7439-92-1)

- Some electronic components mounted inside trip units of Infinitus circuit breakers
- Some electronic components mounted inside shunt opening release for Infinitus circuit breakers
- Some electronic components mounted inside shunt closing release for Infinitus circuit breakers
- Some electronic components mounted inside undervoltage release for Infinitus circuit breakers
- A terminal board for Infinitus circuit breakers

1,2 – Dimethoxyethane; ethylene glycon dimethyl ether (EGDME) (CAS # 110-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Infinitus circuit breakers

1,3 – Propanesultone (CAS # 1120-71-4)

- Coin type Lithium Manganese battery mounted inside trip units of Infinitus circuit breakers

Ethylene thiourea

- Rubber protection ring mounted inside Infinitus circuit breakers