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Geneva, 22 July 2025

Object: REACH Communication to Customers

Dear Customer,

European Regulation N°1907/2006 “REACH” (Registration, Evaluation, and Authorization of Chemicals), went into effect on June 1st, 2007 (See http://www.reach-compliance.eu/). It aims at regulating the use of chemical substances within the European Union.

This is to inform you that STMicroelectronics is perfectly aware of the projected timetable to comply with this regulation, and that we are engaged to meet our legal obligations under REACH, as a manufacturer, importer of articles and as a downstream user of chemicals products.

Being well aware of the REACH initiatives, we have established a multi-disciplinary corporate team to oversee implementation and compliance with all aspects of the Regulation:

- Registration of Substances,
- Assessment of presence of Substances of Very High Concern (SVHC),
- Communication along the supply chain to suppliers and customers,
- Application of Substances Exposure Scenario,
- Restriction of Use according to Annex XVII,
- Authorization of Use according to Annex XIV.

It has been our intention to ensure full registration of substances included in chemical products and articles used in our manufacturing processes through our own suppliers. We have already received confirmation from our suppliers having fulfilled the registration deadline of November 30th 2010, May 31st 2013 and May 31st 2018.

Moreover, we constantly assess the presence of Substances of Very High Concern in the products used within our premises and in ST products, having a full visibility of our supplier deliveries and updating it at each new SVHC candidate list release.

All of ST products fall under the definition of articles within the REACH Regulation:

- None of them presents the notion of intentional release of Substances; therefore, no obligation of registration applies for STMicroelectronics.
- All ST products and its delivering packaging materials comply with the Annex XVII restrictions on articles, when applicable, as updated till June 16th 2025
- When relevant ST products are reported on the SCIP database.

To the best of our knowledge and comprehending the SVHC candidate included by ECHA through June 25th 2025 @ http://echa.europa.eu/web/guest/candidate-list-table, and containing 250 substances, ST products and its delivering packaging materials do not contain SVHC candidate substances, except for some articles manufactured and/or imported by STMicroelectronics, that could be impacted by the presence of so called SVHC, as reported in the following page.

Products	Substances
Microelectromechanical systems sensors	**Diboron Trioxide glass, Lead Oxide glass**
Optical sensors	**Diboron Trioxide glass**
Glucose sensors	**Diboron Trioxide glass**
Devices in glass sealed packages	**Diboron Trioxide glass**
Integrated Passive Devices on glass	**Diboron Trioxide glass**
Network infrastructure devices	**Diboron Trioxide glass**
IPADs with PZT film capacitances on dice	**Lead Titanium Zirconium oxide**
Triacs with glass groove technology (fritted glass on die)	**Lead Oxide glass**
Glass-sealed diodes and diacs	**Lead Oxide glass**
Micromodules	**Hexahydromethylphthalic anhydride**
Plastic Module	**Nonylphenol resin, EGDME**
Battery Attached	**Nonylphenol resin, EGDME**
Battery Caphat	**Nonylphenol resin, EGDME**
Battery Snaphat	**Nonylphenol resin, EGDME**
Microcontroller evaluation boards containing battery	**EGDME**
Semiconductor on BGA and LGA substrate packages	**BisphenolA**
Semiconductor on flip chip packages	**Lead in metal form RoHS exemption 15-15a / ELV exemption 8gii**
Power Devices	**Lead in metal form RoHS exemption 7a / ELV exemption 8e**
Semiconductor on tin/lead balls packages	**Lead in metal form**
Semiconductor with lead copper connection	**Lead in metal form RoHS exemption 6c / ELV exemption 3**

On June 18th 2012 ECHA included the substance Diboron Trioxide CAS 1303-86-2 in the so called SVHC candidate list. Diboron Trioxide may have been declared by our suppliers as a constituent of various electronic glass or parts containing glass or ceramic, since used in the manufacturing process of those glass or ceramic.
Diboron Trioxide, reported in glass or ceramic, cannot be considered as a distinct substance at this point, since it is embedded into a glass or ceramic matrix and can no longer be referred to as a SVHC. Diboron Trioxide may be found in the detailed articles materials declaration, since it may have been declared by our suppliers, and it may have been reported as embedded in glass or ceramic matrix, but no obligations arise under REACH for STMicroelectronics and for the users of those articles including Boron containing glass or ceramics.

On December 19th 2012 ECHA included the substance Lead Oxide CAS 1317-36-8 in the so called SVHC candidate list. Lead Oxide may have been declared by our suppliers as a constituent of parts, electronic glass and/or glass paste since used in the manufacturing process of those glasses. Lead oxide, reported in glass cannot be considered as a distinct substance at this point, since it is embedded into a glass matrix and can no longer be referred to as a SVHC. Lead Oxide may be found in the detailed articles materials declaration, since it may have been declared by our suppliers, and it may have been reported as embedded in glass. STMicroelectronics fulfill the obligations under REACH for the use of the lead oxide containing glass and glass paste and no obligations under REACH arise for the users of those articles including lead oxide glass.

On January 12th 2017 ECHA included the substance BisphenolA CAS 80-05-7 in the so called SVHC candidate list. BisphenolA may have been declared by our suppliers at a concentration > 0.1 % w/w as a constituent of subparts (BGA and LGA substrates) used in the manufacturing of STMicroelectronics products. BisphenolA is embedded in the plastic part of the substrate as a residual/impurity from the resin manufacturing process.

You should contact your local sales representative in order to receive further details on material composition of the articles purchased and, where applicable, SCIP notification numbers.

Jean Louis Champseix
Group Vice President
Corporate Sustainability