

PT-N2580

PT Requirements for regulated substances

VERSION: 06.03.2024

This is a “read only” version of N2580-PT for public information.

For declaration purposes please proceed with CDX or with the Excel template (provided by Bosch contact person or BMDS Bosch Material Data Service)

READ ONLY

Bosch Power Tools N2580:

Declaration & Confirmation of Regulated Substances

**BOSCH**

Version 2.7.1: 2024-03-06

Yellow cells = to be filled by supplier

Select Language: English

Identification and Description of Material

| | | |
|--------------------------|--|--|
| To be filled by Bosch | Bosch supplier company name: | |
| | Bosch supplier number (RBSNo): | |
| | Contact person at Bosch purchasing department: | |
| | Can you ensure that this product will never be introduced in the United States nor Canadian market? | <input type="checkbox"/> No, the North American market will not be excluded as sales area. |
| | Bosch part numbers: | |
| | Bosch part numbers - see attachment: | |
| To be filled by Supplier | Description of part / product: | |
| | Description of (raw-) material composition: | |
| | Are there any auxiliary materials remaining in the part / product? (e.g. rust protection oil, lubricants, ...) | |
| | If yes, please list and consider it in the declaration of the part: | |

Selection of Risk Material

Risk Material require special attention: if they are part of the content, the absence of regulated substances has to be proven by a test report. Requirements are explained in tab "Help".

| Applicable? | Material | Required test report | Test report attached? | Report Number |
|-----------------------------|-----------------------------|----------------------|-----------------------|---------------|
| <input type="checkbox"/> No | Soft plastics & PVC | n/a | | |
| <input type="checkbox"/> No | black coloured plastic | n/a | | |
| <input type="checkbox"/> No | Flame retardant plastics | n/a | | |
| <input type="checkbox"/> No | Tin, Solders or solder wire | n/a | | |
| <input type="checkbox"/> No | Brazing Fillers | n/a | | |
| <input type="checkbox"/> No | Sintered parts | n/a | | |
| <input type="checkbox"/> No | Textile for end users | n/a | | |
| <input type="checkbox"/> No | High pressure die casting | n/a | | |
| <input type="checkbox"/> No | Lubricating Grease | n/a | | |

Determination of applicable regulations

Based on the material commodity of the part / product, some specific regulations may apply:

| No. | Question | Supplier Answer | Impact onto regulation scope |
|-----|--|------------------------------|------------------------------------|
| 1 | Is it or does it contain a packaging / a packaging component? | <input type="checkbox"/> Yes | EC packaging regulation applicable |
| 2 | Is it foreseen for the use in/on a electronic or electrical product (e.g. in a Bosch Power Tool)? Default Setting: Yes | <input type="checkbox"/> Yes | RoHS regulation applicable |
| 3 | Is it or does it contain a battery / battery pack? | <input type="checkbox"/> Yes | Battery regulation applicable |
| 4 | Is it or does it contain: oil, lubricant, wire, cables, electronics, soft plastic, rubber, or a flame rated resin? | <input type="checkbox"/> Yes | TSCA regulation applicable |
| 5 | Is it or does it contain a printed packaging material or printed manual? (e.g. carton sleeve, pouches, labels or manuals, ...) | <input type="checkbox"/> Yes | MOSH & MOAH regulation applicable |

Declaration of Conformity

| Tab | Reference to laws / regulations | Description of requirement | Is the regulation applicable? | Is the regulation complied with? | Are any regulated substances declared? |
|-----------|---|--|-------------------------------|----------------------------------|--|
| | | | Bosch PT | Supplier | Supplier |
| REACH | EC1907/2006 | REACH Annex XIV & XVII | Always | | |
| SVHC | EC1907/2006 | REACH SVHC | Always | - | |
| GS | GS regulation AfPS GS 2019:01 PAK | PAH | Always | | |
| POP | POP Stockholm convention | Persistent organic pollutants | Always | | |
| RoHS | 2011/65/EU | RoHS | Yes | | |
| Battery | 2006/66/EC & 2008/12/EC & 2013/56/EU | Directive on batteries and accumulators | Yes | | |
| Packaging | 94/62/EC & 2004/12/EC | EC-Directive on packaging and packaging waste | Yes | | |
| TSCA | TSCA Sec.6h & 5 (a)(2) | US Toxic Substances Control Act | Yes | | |
| MOSH_MOAH | French Law n°2020-105 10.02.2020 & Ministerial Decree of 13.04.2022 | Ban on the use of certain mineral oils in packaging & printed products | Yes | | |
| Prop65 | Prop65 | US California Proposition 65 | Yes | - | |

Supplier Signature

We declare that all the data in this supplier declaration including all tabs and enclosures is complete and true. All data reflect the current knowledge. If the status of knowledge changes the supplier will send an updated supplier declaration to the responsible Bosch purchasing authority. By signing electronically, we agree that the electronic signature on this declaration is equivalent to a handwritten signature with respect to validity, enforceability and admissibility.

| | | |
|-------------|-----------------------------------|--|
| Place, date | Name of authorized representative | Legally binding signature of authorized representative |
| | | |

Please send back this Excel document as a PDF file with a legally binding signature to your contact in the Bosch purchasing department. Please remember to include all filled out worksheets and insert all attachments in the PDF file.

| | | |
|-------------|---------------------------|---------|
| Released by | Release date | Version |
| PT/PUQ | Version 2.7.1: 2024-03-06 | 2,7 |

REACH

 **BOSCH**

Version 2.7.1: 2024-03-06

Commitment

Annex XIV
"List of substances subject to authorisation"

Substances listed in Annex XIV of EU Reach need authorization by ECHA before usage. Those substances are prohibited for Bosch Power Tools and must not be contained in materials delivered to Power Tools.

Annex XVII
"Prohibition of substances"

All materials delivered to Bosch Power Tools shall comply with the prohibitions of substances listed in annex 17 of EU-REACH. The supplier is obliged to track Reach Annex XVII regularly (e.g. on ECHA homepage) and to inform Bosch purchasing contact immediately if they receive information that any of the substances stated in Reach Annex XVII may be included in supplied material.

REACH: <https://echa.europa.eu/regulations/reach/understanding-reach>

List of substances restricted under REACH: <https://echa.europa.eu/substances-restricted-under-reach>

| Regulated substances | CAS number | Concentration of ingredient [mass%] | Designation of the material that contains the regulated substance |
|----------------------|------------|-------------------------------------|---|
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REACH SVHC



Version 2.7.1: 2024-03-06

Commitment

Legal duty to declare SVHC substances
Reference: REACH 1907/2006, article 33

Bosch PT strives towards SVHC-free products and spare parts and takes its suppliers into responsibility to substitute any SVHC substance if feasibility is given.
By signing the declaration the supplier hereby confirms the absence of any as REACH SVHC listed substance over the threshold of 0,1 mass%, unless declared in following table.
The supplier is obliged to track the SVHC candidate list regularly (e.g. on ECHA homepage) and to inform Bosch purchasing contact immediately if they have information that any substance stated in SVHC candidate list may be included in supplied material (>0,1 mass%).

REACH: <https://echa.europa.eu/regulations/reach/understanding-reach>
SVHC list: <https://echa.europa.eu/candidate-list-table>

Request of Information acc. to Article 33 of Regulation (EC) No 1907/2006 (REACH):

| Name of SVHC substance | CAS number | Concentration of ingredient [mass%] | Designation of the material that contains the regulated substance |
|------------------------|------------|-------------------------------------|---|
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GS regulation AfPS GS 2019:01 PAK



Version 2.7.1: 2024-03-06

| Regulated substances | CAS number | Ltd. / D | Limit value [mg/kg] | Concentration of ingredient | Designation of the material that contains the regulated substance | Examples occurrence | Comment | Entry - included (E) - changed (C) | Method of measurement |
|--|---|----------|---------------------|-----------------------------|---|--|------------------|------------------------------------|-----------------------|
| For operating elements such as soft grips or switches the Bosch business division PT is allowed to demand that all below listed 15 PAH remain under the detection limit of 0,1PPM (PAH-free). The requirement "PAH-free" will then be agreed separately in the parts specifications or by an agreement/contract between supplier and PT. In all other cases the following limit values have to be met. | | | | | | | | | |
| Benzo[a]pyrene | 50-32-8 | Ltd | < 0.5 | | | Black plastic and elastomer parts, e.g. cables, grommets, soft grips; extender oil; colors, carbon black | REACH Annex XVII | C2015 | AfPS GS 2019:01 PAK |
| Benzo[e]pyrene | 192-97-2 | Ltd | < 0.5 | | | | REACH Annex XVII | C2015 | AfPS GS 2019:01 PAK |
| Benzo[a]anthracene | 56-55-3 | Ltd | < 0.5 | | | | REACH Annex XVII | C2015 | AfPS GS 2019:01 PAK |
| Benzo[b]fluoranthene | 205-99-2 | Ltd | < 0.5 | | | | REACH Annex XVII | C2015 | AfPS GS 2019:01 PAK |
| Benzo[j]fluoranthene | 205-82-3 | Ltd | < 0.5 | | | | REACH Annex XVII | C2015 | AfPS GS 2019:01 PAK |
| Benzo[k]fluoranthene | 207-08-9 | Ltd | < 0.5 | | | | REACH Annex XVII | C2015 | AfPS GS 2019:01 PAK |
| Chrysene | 218-01-9 | Ltd | < 0.5 | | | | REACH Annex XVII | C2015 | AfPS GS 2019:01 PAK |
| Dibenzo[a,h]anthracene | 53-70-3 | Ltd | < 0.5 | | | | REACH Annex XVII | C2015 | AfPS GS 2019:01 PAK |
| Benzo[ghi]perylene | 191-24-2 | Ltd | < 0.5 | | | | | C2015 | AfPS GS 2019:01 PAK |
| Indeno[1,2,3-cd]pyrene | 193-39-5 | Ltd | < 0.5 | | | | | C2015 | AfPS GS 2019:01 PAK |
| Phenanthrene, Pyrene, Anthracene, Fluoranthene | 85-01-8 129-00-0 120-12-7 206-44-0 | Ltd | Sum < 10 | | | | | C2019 | AfPS GS 2019:01 PAK |
| Naphtalene | 91-20-3 | Ltd | < 2 | | | | | C2015 | AfPS GS 2019:01 PAK |
| Sum 15 PAH | 50-32-8 192-97-2 56-55-3 205-99-2 205-82-3 207-08-9 218-01-9 53-70-3 191-24-2 193-39-5 85-01-8 129-00-0 120-12-7 206-44-0 91-20-3 | Ltd | Sum < 10 | | | | | C2019 | AfPS GS 2019:01 PAK |

Comment

POP Stockholm Convention



Version 2.7.1: 2024-03-06

All materials delivered to Bosch Power Tools shall comply with the POP Stockholm Convention (POP = Persistent Organic Pollutants). The supplier is obliged to track and to inform Bosch purchasing contact immediately if they receive information that any of the substances stated in the POP Stockholm Convention may be included in supplied material.

Stockholm Convention: <https://chm.pops.int/TheConvention/Overview/TextoftheConvention/tabid/2232/Default.aspx>

List of substances restricted under Stockholm Convention: <https://chm.pops.int/TheConvention/ThePOPs/AllPOPs/tabid/2509/Default.aspx>

| Regulated substances | CAS number | Concentration of ingredient [mass%] | Designation of the material that contains the regulated substance |
|----------------------|------------|-------------------------------------|---|
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EC-RoHS: 2011/65/EU and 2015/863/EU

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Version 2.7.1: 2024-03-06

| Regulated substances | CAS number | Ltd. / D | Limit value [mass%] | Concentration of substance [mass% in homogeneous material] | Exemption claimed? If so, which one? * | Designation of the material that contains the regulated substance | Entry - included (E) - changed (C) | Comment |
|--------------------------------------|----------------|----------|---------------------|--|--|---|------------------------------------|---------|
| Lead | Material group | Ltd. | 0,1 | | | | E2009 | |
| | | Ltd. | 0,1 | | | | E2009 | |
| | | Ltd. | 0,1 | | | | E2009 | |
| Cadmium | 7440-43-9 | Ltd. | 0,01 | | | | E2009 | |
| Mercury | 7439-97-6 | Ltd. | 0,1 | | | | E2009 | |
| Chromium VI | 1333-82-0 | Ltd. | 0,1 | | | | E2009 | |
| Polybrominated biphenyls (PBB) | Material group | Ltd. | 0,1 | | | | E2009 | |
| Polybrominated diphenyl ether (PBDE) | Material group | Ltd. | 0,1 | | | | E2009 | |
| Bis(2-ethylhexyl) phthalate (DEHP) | 117-81-7 | Ltd. | 0,1 | | | | E2015 | |
| Benzyl butyl phthalate (BBP) | 85-68-7 | Ltd. | 0,1 | | | | E2015 | |
| Dibutyl phthalate (DBP) | 84-74-2 | Ltd. | 0,1 | | | | E2015 | |
| Diisobutyl phthalate (DIBP) | 84-69-5 | Ltd. | 0,1 | | | | E2015 | |

RoHS:

https://ec.europa.eu/environment/waste/rohs_eee/index_en.htm

DIRECTIVE 2011/65/EU:

<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32011L0065>

DIRECTIVE 2015/863/EU:

https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=OJ:JOL_2015_137_R_0003**Bosch Power Tools only allows the usage of Lead <0,1% and Cadmium <0,01%.**

* = By technical necessity, Bosch Power Tools accepts exemptions in the table below.

Please indicate which exemption you are using by choosing it in the drop down above. If a different exemption may apply please inform your Bosch contact person immediately.

Table below: Current exemptions (Current ID) and future exemptions (new ID and new description) as proposed by Oekoinsitute.Proposal for Lead: <https://rohs.exemptions.oeko.info/index.php?id=127,17.02.2022>Proposal for Cadmium: https://rohs.biois.eu/RoHS_Pack-23_Report_Final_20221220.pdf

| Category | Current ID (Annex III) | New ID (Proposal by Oekoinsitute) | New description (Proposal by Oekoinsitute) |
|---|------------------------|-----------------------------------|--|
| Lead in batch hot dip galvanised steel components | 6(a)-I | 6(a)-II | Lead as an alloying element in batch hot dip galvanised steel components containing up to 0,2 % lead by weight. |
| Lead in aluminium scrap recycling | 6(b)-I | 6(b)-III | Lead as an alloying element in aluminium casting alloys containing up to 0,3% lead by weight provided it stems from lead-bearing aluminium scrap recycling. |
| Lead in copper | 6(c) | 6(c) | Copper alloy containing up to 4 % lead by weight. (No change to current exemption) |
| Lead in electrical and electronic parts | 7(a) | 7(a) | Lead in high melting temperature type solders (i.e., lead-based alloys containing 85 % by weight or more lead) when used for the following applications (excludes those in the scope of exemption 24) I) for internal interconnections for attaching die, or other components along with a die in semiconductor assembly with steady state or transient/impulse currents of 0.1 A or greater or blocking voltages beyond 10 V, or die edge sizes larger than 0.3 mm x 0.3 mm II) for integral (meaning internal and external) connections of die attach in electrical and electronic components, if the thermal conductivity of the cured/sintered die-attach material is >35W/(m*K) AND the electrical conductivity of the cured/sintered die-attach material shall be >4.7MS/m AND solidus melting temperature has to be above 260°C III) In first level solder joints (internal or integral connections - meaning internal and external) for manufacturing components so that subsequent mounting of electronic components onto subassemblies (i.e., modules or sub-circuit boards or substrates or point to point soldering) with a secondary solder does not reflow the first level solder. This item excludes die attach applications and hermetic sealings IV) In second level solder joints for the attachment of components to printed circuit board or lead frames: 1. in solder balls for the attachment of ceramic ball-grid-array (BGA) 2. in high temperature plastic overmoldings (> 220 °C) V) as a hermetic sealing material between: 1. a ceramic package or plug and a metal case, 2. component terminations and an internal sub-part VI) for establishing electrical connections between lamp components in incandescent reflector lamps for infrared heating or high intensity discharge lamps or oven lamps VII) for audio transducers where the peak operating temperature exceeds 200°C |
| | 7(c)-I | 7(c)-V | Electrical and electronic components containing lead in a glass or glass matrix compound that fulfils the following functions: 1) protection and electrical insulation in glass beads of high voltage diodes and glass layers for wafer on the basis of a lead-zinc-borate or a lead-silica-borate glass body,* 2) for hermetic sealings between ceramic, metal and/or glass parts 3) for bonding purposes in a process parameter window for < 500°C combined with a viscosity of 1013,3 dPas (so called "glass-transition temperature") 4) used as resistance materials such as ink, with a resistivity range from 1 Ohms/square to 1 Mega Ohms/square, excluding trimmer potentiometers** 5) used in chemically modified glass surfaces for Microchannel Plates (MCPs), Channel Electron Multipliers (CEMs) and Resistive Glass Products (RGPs). |
| | 7(c)-I | 7(c)-VI | Electrical and electronic components containing lead in a ceramic that fulfils the following functions (excluding items covered under item 7(c)-II, 7(c)-III and 7(c)-IV of this annex): 1. piezoelectric lead zirconium titanate (PZT) ceramics 2. providing ceramics with a positive temperature coefficient (PTC) |
| | 7(c)-II | 7(c)-II | Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher |
| | 8(b)-I | 8(b)-III | Cadmium and its compounds in electrical contacts of - AC switches rated at: - 10 A and more at 250 V AC and more, or - 15 A and more at 125 V AC and more, - DC switches rated at 25 A and more at 18 V DC and more. |

EC-Directive on batteries and accumulators
2006/66/EC and 2008/12/EC and 2013/56/EU



Version 2.7.1: 2024-03

| Regulated substances | CAS number | Ltd. / D | Limit value [mass%] | Concentration of ingredient [mass%] | Exemption claimed? If so, which one? * | Entry - included (E) - changed (C) |
|---------------------------|------------|----------|---------------------|-------------------------------------|--|--|
| Limited substances (Ltd.) | | | | | | |
| Cadmium | 7440-43-9 | Ltd. | 0,002 | | | E2009 |
| Lead | 7439-92-1 | Ltd. | 0,004 | | | E2009 |
| Mercury | 7439-97-6 | Ltd. | 0,0005 | | | E2009 |

Battery Directive: <https://ec.europa.eu/environment/waste/batteries/>
Directive 2006/66/EC: <https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32006L0066>
Directive 2008/12/EC: <https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX:32008L0012>
Directive 2013/56/EU: <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex%3A32013L0056>

EC-Directive on Packaging 94/62/EC and 2004/12/EC



Version 2.7.1: 2024-03-06

| Regulated substances | CAS number | Ltd. / D | Limit value [mass%] | Concentration of substance [ppm] | Entry - included (E) - changed (C) | test report enclosed (optional) | Method of measurement |
|----------------------|----------------|----------|---------------------|----------------------------------|--|------------------------------------|-----------------------|
| Lead | Material group | Ltd. | cumulative 100ppm | | E2009 | | |
| Chromium VI | 14977-61-8 | Ltd. | | | E2009 | | |
| Cadmium | 7440-43-9 | Ltd. | | | E2009 | | |
| Mercury | 7439-97-6 | Ltd. | | | E2009 | | |

Packaging Directive:
Directive 94/62/EC:
Directive 2004/12/EC:

<https://ec.europa.eu/environment/waste/packaging/>
<https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=celex:31994L0062>
<https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=CELEX%3A32004L0012>

TSCA (Toxic Substances Control Act)



| Regulated substances | CAS number | Ltd. / D | Limit value [mass%] | Concentration of ingredient [mass%] | Designation of the material that contains the regulated substance | Examples occurrence | Comment | Entry - included (E) - changed (C) |
|--|--------------|----------|------------------------|-------------------------------------|---|--|---|------------------------------------|
| TSCA Sec. 6h | | | | | | | | |
| 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP) | 732-26-3 | Ltd. | ≤ 0.3% | | | an antioxidant in fuel additives and fuel injector cleaners as well as an additive in oil and lubricants | | E2022 |
| Decabromodiphenyl ether (DecaBDE) | 1163-19-5 | Ltd. | below detectable limit | | | Used as an additive flame retardant in plastic enclosures for televisions, computers, audio and video equipment, textiles and upholstered articles, wire and cables for communication and electronic equipment, and other applications. | | E2022 |
| Phenol, isopropylated phosphate (3:1) (PIP 3:1) | 68937-41-7 | Ltd. | below detectable limit | | | Used as a plasticizer, a flame retardant, an anti-wear additive, or an anti-compressibility additive in hydraulic fluid, lubricating oils, lubricants and greases, various industrial coatings, adhesives, sealants, and plastic articles. | only for new material (not recycled material) | E2022 |
| Pentachlorothiophenol (PCTP) | 133-49-3 | Ltd. | ≤ 1% | | | a substance with applications in the rubber industry | | E2022 |
| Hexachlorobutadiene (HCBD) | 87-68-3 | Ltd. | below detectable limit | | | a solvent in rubber manufacturing and in hydraulic, heat transfer or transformer fluid | | E2022 |
| TSCA (Sec. 5 (a)(2)) | | | | | | | | |
| https://www.federalregister.gov/documents/2020/07/27/2020-13738/long-chain-perfluoroalkyl-carboxylate-and-perfluoroalkyl-sulfonate-chemical-substances-significant The use of dechlorable substances shall be avoided. | | | | | | | | |
| Hexachlorobutadiene (HCBD) | 87-68-3 | D | below detectable limit | | | | | E2022 |
| Octanoyl fluoride, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro- | 335-66-0 | D | below detectable limit | | | | | E2022 |
| Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro- (PFOA) | 335-67-1 | D | below detectable limit | | | | | E2022 |
| Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, silver (+) salt (1:1) | 335-93-3 | D | below detectable limit | | | | | E2022 |
| Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, sodium salt (1:1) | 335-95-5 | D | below detectable limit | | | | | E2022 |
| Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt (1:1) | 2395-00-8 | D | below detectable limit | | | | | E2022 |
| Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, ammonium salt (1:1) (APFO) | 3825-26-1 | D | below detectable limit | | | | | E2022 |
| Octane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-8-iodo- | 507-63-1 | D | below detectable limit | | | | | E2022 |
| 1-Decanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluoro- | 678-39-7 | D | below detectable limit | | | | | E2022 |
| 1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12-heneicosafuoro- | 865-86-1 | D | below detectable limit | | | | | E2022 |
| Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo- | 2043-53-0 | D | below detectable limit | | | | | E2022 |
| Dodecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10-heneicosafuoro-12-iodo- | 2043-54-1 | D | below detectable limit | | | | | E2022 |
| 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12,12-heneicosafuorododecyl ester. | 17741-60-5 | D | below detectable limit | | | | | E2022 |
| 2-Propenoic acid, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl ester | 27905-45-9 | D | below detectable limit | | | | | E2022 |
| Tetradecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12-pentacosafuoro-14-iodo- | 30046-31-2 | D | below detectable limit | | | | | E2022 |
| 1-Tetradecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12,13,13,14,14,14-pentacosafuoro- | 39239-77-5 | D | below detectable limit | | | | | E2022 |
| 1-Hexadecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,16-nonacosafuoro- | 60699-51-6 | D | below detectable limit | | | | | E2022 |
| Hexadecane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,11,11,12,12,13,13,14,14,14-nonacosafuoro-16-iodo- | 65510-55-6 | D | below detectable limit | | | | | E2022 |
| Ethanol, 2,2'-iminobis-, compd. with .alpha.-fluoro- omega.-[2-(phosphonoxy)ethyl]poly(difluoromethylene) (2:1) | 65530-63-4 | D | below detectable limit | | | Residual after fluoropolymer processing and coatings for hydrophobic membranes, silicone touch pads, touch screens, electronics, or fabric. | | E2022 |
| Ethanol, 2,2'-iminobis-, compd. with .alpha.-[alpha.-(phosphinobis(oxy-2,1'-ethanedyl)]bis[omega.-fluoropoly(difluoromethylene)] (1:1) | 65530-64-5 | D | below detectable limit | | | | | E2022 |
| Poly(difluoromethylene), .alpha.-[2-{2-carboxyethyl}thio]ethyl]-.omega.-fluoro-, lithium salt (1:1) | 65530-69-0 | D | below detectable limit | | | | | E2022 |
| Poly(difluoromethylene), .alpha.-[alpha.-(phosphinobis(oxy-2,1'-ethanedyl)]bis[omega.-fluoro-, ammonium salt (1:1) | 65530-70-3 | D | below detectable limit | | | | | E2022 |
| Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonoxy)ethyl]-, ammonium salt (1:1) | 65530-71-4 | D | below detectable limit | | | | | E2022 |
| Poly(difluoromethylene), .alpha.-fluoro-.omega.-[2-(phosphonoxy)ethyl]-, ammonium salt (1:2) | 65530-72-5 | D | below detectable limit | | | | | E2022 |
| Ethanol, 2,2'-iminobis-, compd. with .alpha.-fluoro- omega.-[2-(phosphonoxy)ethyl]poly(difluoromethylene) (1:1) | 65530-74-7 | D | below detectable limit | | | | | E2022 |
| Poly(oxy-1,2-ethanedyl), .alpha.-hydro-.omega.-hydroxy-, ether with .alpha.-fluoro-.omega.-[2-hydroxyethyl]poly(difluoromethylene) (1:1) | 65545-80-4 | D | below detectable limit | | | | | E2022 |
| 1-Propanesulfonic acid, 2-methyl-, 2-[1-oxo-3-[(gamma.-omega.-perfluoro- C4-16-alkylthio)aroyl]amino] derivs., sodium salts | 68187-47-3 | D | below detectable limit | | | | | E2022 |
| Alcohols, C8-14, gamma.-omega.-perfluoro- | 68391-08-2 | D | below detectable limit | | | | | E2022 |
| Thiols, C8-20, gamma.-omega.-perfluoro-, telomers with acrylamide. | 70969-47-0 | D | below detectable limit | | | | | E2022 |
| Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluorodecyl)- | 78560-44-8 | D | below detectable limit | | | | | E2022 |
| Silicic acid (H4SiO4), sodium salt (1:2), reaction products with chlorotrimethylsilane and 3,3,4,4,5,5,6,6,7,7,8,8,9,10,10,10-heptadecafluoro-1-decanol. | 125476-71-3 | D | below detectable limit | | | | | E2022 |
| Thiols, C4-20, gamma.-omega.-perfluoro-, telomers with acrylamide and acrylic acid, sodium salts. | 1078712-88-5 | D | below detectable limit | | | | | E2022 |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-[2-(gamma.-omega.-perfluoro- C4-20-alkylthio)aroyl] derivs., inner salts. | 1078715-61-3 | D | below detectable limit | | | | | E2022 |

Management of regulated substances in supply parts, Appendix 1

Mineral oils: French Law No. 2020-105



Version 2.7.1: 2024-03-06

| Regulated substances | CAS number | Ltd. / D | Limit value [mass%] | Concentration of ingredient [mass%] | Designation of the material that contains the regulated substance | Examples occurrence | Entry - included (E) - changed (C) |
|--|----------------|----------|---------------------|-------------------------------------|---|--|--|
| MOAH with 1-7 aromatic rings in printing ink | Material group | Ltd | ≤0,1 mass% | | | mineral oil based printing ink on: packaging material, manuals, catalogues, advertising materials, etc. | E2023 |
| MOAH with 3-7 aromatic rings in printing ink | Material group | Ltd | ≤0,0001 mass% | | | | E2023 |
| MOSH with 16-35 carbon atoms in printing ink | Material group | Ltd | ≤0,1 mass% | | | | E2023 |

Article 112

https://www.legifrance.gouv.fr/loda/article_lc/LEGIARTI000041554620?init=true&page=1&query=2020-105&searchField=ALL&tab_selection=all
Article 2 of the Ordinance
of April 13, 2022
<https://www.legifrance.gouv.fr/loda/id/JORFTEXT000045733481/?isSuggest=true>

Comment

Comment area with a large diagonal watermark reading "READ ONLY".

California Proposition 65



Version 2.7.1: 2024-03-06

Safe Drinking Water and Toxic Enforcement Act of 1986, as amended (also known as California Proposition 65):

The supplier must inform Bosch if any substance on the California Proposition 65 list is contained in a product or spare part or mixture in any concentration. The supplier is obliged to track the Proposition 65 list regularly (on OEHHA website) and to inform Bosch purchasing contact immediately if he gets information that any substance on the Proposition 65 list may be included in supplied material. No extra test reports are required for California Proposition 65.

Proposition 65 List: <https://oehha.ca.gov/proposition-65/proposition-65-list>

| Regulated substances | CAS number | also regulated in: | Concentration of ingredient [mass%] | Designation of the material that contains the regulated substance | Total weight of component contains the regulated substance [g] |
|---|--------------------------|--------------------------|-------------------------------------|---|--|
| Lead and its compounds | Material group | EU Reach, EU RoHS | | | |
| Cadmium | 7440-43-9 | EU Reach, EU RoHS | | | |
| Mercury and its compounds | Material group | EU Reach, EU RoHS | | | |
| Chromium VI | 1333-82-0 | EU Reach, EU RoHS | | | |
| Polybrominated biphenyles (PBB) | Material group | EU Reach, EU RoHS | | | |
| Bis(2-ethylhexyl) phthalate (DEHP) | 117-81-7 | EU Reach, EU RoHS | | | |
| BenzyI butyl phthalate (BBP) | 85-68-7 | EU Reach, EU RoHS | | | |
| Dibutyl phthalate (DBP) | 84-74-2 | EU Reach, EU RoHS | | | |
| Diisononylphthalat (DINP) | 28553-12-0 | | | | |
| Diisodecylphthalat (DIDP) | 26761-40-0 | | | | |
| DnHP | 84-75-3 | EU Reach | | | |
| Tris(2,3-dibromopropyl)phosphate | 126-72-7 | EU Reach | | | |
| Benzo[a]pyrene | 50-32-8 | EU Reach, PT requirement | | | |
| Benzo[a]anthracene | 56-55-3 | EU Reach, PT requirement | | | |
| Benzo[b]fluoranthene | 205-99-2 | EU Reach, PT requirement | | | |
| Benzo[j]fluoranthene | 205-82-3 | EU Reach, PT requirement | | | |
| Benzo[k]fluoranthene | 207-08-9 | EU Reach, PT requirement | | | |
| Chrysene | 218-01-9 | EU Reach, PT requirement | | | |
| Dibenz[a,h]anthracene | 53-70-3 | EU Reach, PT requirement | | | |
| Naphthalene | 91-20-3 | PT requirement | | | |
| Indeno[1,2,3-cd]pyrene | 193-39-5 | PT requirement | | | |
| PFOS (Persfluorooctane sulfonate) | 1763-23-1 | EU Reach | | | |
| PFOA (Perfluorooctanoic acid) | 335-67-1 | EU Reach | | | |
| SCCP | 85535-84-8 / 108171-26-2 | EU Reach, POP | | | |
| This is only a selection of most common substances - please check and declare the full list under the link. | | | | | |
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- Content: 1.) How to fill the supplier declaration N2580-PT
2.) N2580-PT Test Report requirements



1.) How to fill the supplier declaration N2580-PT

1. Choose your preferred language from the drop down

Bosch Power Tools N2580: Declaration & Confirmation of Regulated Substances  Version 2024-01-01

1 Select Language: **English**

2. Fill the following cells completely to define the material - 1st: Bosch duty

| Identification and Description of Material | |
|--|---|
| To be filled by Bosch | Bosch supplier company name: |
| | Bosch supplier number (RBSN): |
| | Contact person at Bosch purchasing department: |
| | Can you ensure that this product will never be introduced in the United States nor Canadian market? |
| | Bosch part numbers: |
| Bosch part numbers - see attachment: | |

3. Fill the following cells completely to define the material - 2nd: Supplier duty

| | |
|--------------------------|--|
| To be filled by Supplier | Description of part / product: |
| | Description of (raw) material composition: |
| | Are there any auxiliary materials remaining in the part / product? (e.g. rust protection oil, lubricants, ...) |
| | If yes, please list and consider it in the declaration of the part: |

4. Select any high risk material from the list, which the product / part contains

| Selection of Risk Material | | | | |
|--|----------------------------|--|-----------------------|---------------|
| Risk Material require special attention: if they are part of the content, the absence of regulated substances has to be proven by a test report. Requirements are explained in tab "Help". | | | | |
| Applicable? | Material | Required test report | Test report attached? | Report Number |
| <input type="checkbox"/> No | Soft plastics & PVC | n/a | | |
| <input checked="" type="checkbox"/> Yes | black coloured plastic | Test report mandatory onto PAH | Yes, attached | 123-34524-4 |
| <input checked="" type="checkbox"/> Yes | Flame retardant plastics | Test report mandatory onto brominated flame retardants | Yes, attached | 35-4664 |
| <input type="checkbox"/> No | Tin, Solder or solder wire | n/a | | |
| <input checked="" type="checkbox"/> Yes | Brazing Fillers | Test report mandatory onto heavy metals | No, still missing | |
| <input type="checkbox"/> No | Sintered parts | n/a | | |
| <input checked="" type="checkbox"/> Yes | Textile for end users | n/a | | |
| <input type="checkbox"/> No | High pressure die casting | n/a | | |
| <input type="checkbox"/> No | Lubricating Grease | n/a | | |

Activate the checkbox in the first column. In case of a risk material, inform whether you have added the mandatory test report and mention the report number as reference.

5. Answer the questions about the nature of the part / product - based on your answers, it will be determined whether regulations are applicable or not

| Determination of applicable regulations | | | |
|---|--|---|------------------------------------|
| Based on the material commodity of the part / product, some specific regulations may apply: | | | |
| No. | Question | Supplier Answer | Impact onto regulation scope |
| 1 | Is it or does it contain a packaging / a packaging component? | <input checked="" type="checkbox"/> Yes | EC packaging regulation applicable |
| 2 | Is it foreseen for the use in/on a electronic or electrical product (e.g. in a Bosch Power Tool)? Default Setting: Yes | <input checked="" type="checkbox"/> Yes | RoHS regulation applicable |
| 3 | Is it or does it contain a battery / battery pack? | <input checked="" type="checkbox"/> Yes | Battery regulation applicable |
| 4 | Is it or does it contain: oil, lubricant, wire, cables, electronics, soft plastic, rubber, or a flame retardant resin? | <input checked="" type="checkbox"/> Yes | TSCA regulation applicable |
| 5 | Is it or does it contain a printed packaging material or printed manual? (e.g. carton sleeve, pouches, labels or manuals, ...) | <input checked="" type="checkbox"/> Yes | MOSH & MOAH regulation applicable |

6. Confirm compliance with required regulations and inform if you need to declare substances

| Declaration of Conformity | | | | | |
|---------------------------|---|--|-------------------------------|----------------------------------|--|
| Regulation | Reference to laws / regulations | Description of requirement | Is the regulation applicable? | Is the regulation complied with? | Are any regulated substances declared? |
| REACH | EC1907/2006 | REACH Annex XIV & XVII | Always | | |
| SVHC | EC1907/2006 | REACH SVHC | Always | - | |
| GS | GS regulation APlS GS 2019-01 PAK | PAH | Always | | |
| POP | POP ordinance | Persistent organic pollutants | Always | | |
| RoHS | 2011/65/EU | RoHS | Yes | | |
| Battery | 2006/66/EC & 2008/12/EC & 2013/56/EU | Directive on batteries and accumulators | Yes | | |
| Packaging | 94/62/EC & 2004/12/EC | EC-Directive on packaging and packaging waste | Yes | | |
| TSCA | TSCA Sec.6h & 5 (a)(2) | US Toxic Substances Control Act | Yes | | |
| MOGH/MOAH | French Law n°2020-105 10.02.2020 & Ministerial Decree of 13.04.2022 | Ban on the use of certain mineral oils in packaging & printed products | Yes | | |
| Prop65 | Prop65 | US California Proposition 65 | Yes | - | |

7. If required, declare regulated substances in separate tabs

[Help](#) [Cover_Sheet](#) [REACH](#) [SVHC](#) [GS](#) [POP](#) [RoHS](#) [Battery](#) [Packaging](#) [TSCA](#) [MOSH MOAH](#) [Prop65](#)

8. Sign the coversheet and send it - plus if applicable, declared tabs and/or test reports - to Bosch purchasing as PDF

| Supplier Signature | | |
|---|-----------------------------------|--|
| We declare that all the data in this supplier declaration including all tabs and enclosures is complete and true. All data reflect the current knowledge. If the status of knowledge changes the supplier will send an updated supplier declaration to the responsible Bosch purchasing authority. By signing electronically, we agree that the electronic signature on this declaration is equivalent to a handwritten signature with respect to validity, enforceability and admissibility. | | |
| Place, date | Name of authorized representative | Legally binding signature of authorized representative |
| | | |

Please send back this Excel document as a PDF file with a legally binding signature to your contact in the Bosch purchasing department. Please remember to include all filled out worksheets and insert all attachments in the PDF file.

2.) N2580-PT Test Report requirements

In case the product / material contains a so called risk material (selection see tab "Cover_Sheet"), then beside the declaration also a test report as evidence of absence of regulated substances is required.

Following test procedures should be applied when submitting a test report:

| raw material | Plasticiser: DIN EN ISO 14389:2014 | PAH: AFS GS 2019-01 PAK (tested onto final) | Heavy metals: RoHS-method | SCCP + MCP: n/a (tested onto final) | Tests for textiles: (based on Okotext 100) | Brominated Flame Retardants | testing scope | | | | | | | | | |
|--|--|---|------------------------------|---|---|--------------------------------|---|----------------------------|------------------------|----------|--|------------|--|--|--|--|
| | | | | | | | plasticizer | CAS | PAH | CAS | Heavy metals | CAS | | | | |
| Soft plastics (elastomere, Soft PVC, TPE, etc.) & hard PVC | X | X | | X | | | BBP | 85-68-7 | Benzo[a]anthracene | 56-55-3 | Cadmium | 7440-43-9 | | | | |
| Flame retardant plastics | | | | | | X | DBP | 84-74-2 | Benzo[b]pyrene | 50-32-8 | Chromium VI | 1333-62-0 | | | | |
| Hard plastic black colour | | X | | | | | DEHP | 117-81-7 | Benzo[k]fluoranthene | 205-82-3 | Lead | | | | | |
| Tin, Solders or solder wire | | | X | | | | IDIP | 68515-49-1 / 26761-40-0 | Benzo[b]fluoranthene | 205-99-2 | Mercury | 7439-97-6 | | | | |
| Brazing Fillers | | | X | | | | DINP | 26533-12-0 | Benzo[k]fluoranthene | 207-08-9 | SCCP: | | | | | |
| Sintered parts | | | X | | | | DnHP | 84-75-3 | Chrysene | 218-01-9 | C10-C13 | 85535-84-8 | | | | |
| High pressure die casting | | | X | | | | DEHP | 84-69-5 | Dibenz[a,h]anthracene | 53-70-3 | Tests for textiles | | | | | |
| Lubricating Grease | | | X | | | | DMCP | 117-82-8 | Indeno[1,2,3-cd]pyrene | 183-39-5 | Tri(2,3-dibromopropyl) phosphate | | | | | |
| Textile for end users | | | | | | | DIPP | 605-50-5 | Naphthalene | 91-20-3 | Azo dyes | | | | | |
| | | | | | | | N-pentyl-isopentylphthalate | 776297-69-9 | Benzo[e]pyrene | 192-97-2 | Flame retardants (PBB/PBDE+TRIS/TEPA) PFOS | | | | | |
| | | | | | | | DHNUP | 68515-42-4 | Benzo[ghi]perylene | 191-24-2 | DEHP | 117-81-7 | | | | |
| | | | | | | | DHPH | 71888-89-6 | Phenanthrene | 85-01-8 | | | | | | |
| | | | | | | | 1,2-Benzenedicarboxylic acid, dihexylester, branched and linear | 68515-50-4 | Pyrene | 129-00-0 | | | | | | |
| | | | | | | | DPP | 131-18-0 | Anthracene | 120-12-7 | | | | | | |
| | | | | | | | 1,2-benzenedicarboxylic acid dipentylester, branched and linear | 84777-06-0 | Fluoranthene | 206-44-8 | | | | | | |
| | | | | | | | 1,2-Benzenedicarboxylic acid, di-C6-10-alkyl esters | 68515-51-5 / 66648-93-1 | | | | | | | | |
| | | | | | | | DCHP | 84-61-7 | | | | | | | | |

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