

## CERTIFICATE

### Summary: Dangerous substances, hazardous to environment and health

The following substances are not used in our standard products, or fall below the limit values

**Directive 2002/96/EC** (WEEE waste electrical and electronic equipment) +

**Directive 2002/95/EC**

(RoHS2 on the restriction of the use of certain hazardous substances in electrical and electronic equipment)+

**Directive 2011/65/EU**

- Cadmium (Cd) – 0.01%
- Hexavalent chromium (Cr(VI)) – 0.1%
- Lead (Pb); exception in copper alloy e.g. in brass – 0.1%
- Mercury (Hg) – 0.1%
- Brominated flame retardants (PBB, PBDE) – 0.1%
- DecaBDE – 0.1 %
- Phthalate bis ( 2 - ethylhexyl ) phthalate (DEHP ) - 0.1 %
- Benzylbutyl ( BBP ) - 0.1 %
- Dibutylphthalate ( DBP ) - 0.1 %
- Diisobutyl phthalate ( DIBP ) - 0.1 %

**Bisphenol A (BPA)**

**Perfluorohexane – 1 – sulphonic acid and its salts (PFHxS)**

**Chemicals prohibition decree**

- Asbestos
- Chlorine
- CFC, CHC
- Formaldehyde
- PCB, PCT (polychlorinated biphenyls/terphenyls)
- Parting agents containing silicone

**Directive 2003/11/EC** (pentavalent and octavalent brominated diphenylether)

**Directive 2005/69/EC** - PAHs (polycyclic aromatic hydrocarbons)

**Directive 2006/122/EC** (PFOS, PFOA)

**Biocide Dimethylfumarate (DMF) 2009/251/EC**

Note: we do not enclose any packets of silica gel in our packaging

**Tin-organic combinations (DBT, DOT) 2009/425/EC**

**On January 2017 the list has been extended to:**

- 4,4'-isopropylidenediphenol
- 4-heptylphenol, branched and linear;
- Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts;
- p-(1,1-dimethylpropyl) pheno

**On January 2018 the list has been extended to (ECHA/PR/18/01):**

- Benz[a]anthracene;
- Cadmium carbonate;
- Cadmium hydroxide;
- Cadmium nitrate;
- Chrysene

**On June 2018 the list has been extended to:**

- Benzene – 1,2,4 – tricarboxylic acid 1,2 anhydride
- Benzo[ghi]perylene;
- Decamethylcyclopentasiloxane (D5);
- Dicyclohexyl phthalate (DCHP);
- Disodium octaborate;
- Decamethylcyclopentasiloxane (D6);

- Ethylenediamine (EDA);
- Lead;
- Octamethylcyclopentasiloxane (D4);
- Terphenyl, hydrogenated

**On January 2019 the list has been extended to (ECHA/PR/19/01):**

- 2,2-bis(4'-hydroxyphenyl)-4-methylpentane
- Benzo[k]fluoranthene
- Fluoranthene
- Phenanthrene
- Pyrene
- 1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one

**On July 2019 the list has been extended to directive 2011/65/EU (RoHS III):**

- Bis (2-ethylhexyl) phthalate (DEHP) – 0,1%
- Butyl benzyl phthalate (BBP) – 0,1%
- Dibutyl phthalate (DBP) – 0,1%
- Diisobutyl phthalate (DIBP) – 0,1%

**On February 2020 the list has been extended to Commission Regulation (EU) 2020/171:**

- Acido 1,2-benzendicarbossilico, diesel estere, ramificato e lineare N. CE: 271-093-5 N. CAS: 68515-50-4;
- Ftalato di diesel N. CE: 201-559-5 N. CAS: 84-75-3;
- Acido 1,2-benzendicarbossilico, esteri alchilici di-C6-10; acido 1,2-benzendicarbossilico, diesteri misti decilici ed esilici e ottilici con una concentrazione  $\geq 0,3$  % di ftalato di diesel (N. CE 201-559-5) N. CE: 271-094-0; 272-013-1 N. CAS: 68515-51-5; 68648-93-1;
- Fosfato di trixilile N. CE: 246-677-8 N. CAS: 25155-23-1;
- Perborato di sodio; acido perborico, sale di sodio N. CE: 239-172-9; 234-390-0;
- Perossometaborato di sodio N. CE: 231-556-4 N. CAS: 7632-04-4
- 5-sec-butil-2-(2,4-dimetilcicloes-3-en-1-il)-5-metil-1,3-diossano [1], 5-sec-butil-2-(4,6-dimetilcicloes-3-en-1-il)-5-metil-1,3-diossano [2] (comprendenti qualsiasi singolo stereoisomero di [1] e [2] o qualsiasi combinazione degli stessi);
- 2-(2H-benzotriazol-2-il)-4,6-diterzpentilfenolo (UV-328) N. CE: 247-384-8 N. CAS: 25973-55-1;
- 2,4-di-terz-butil-6-(5-clorobenzotriazol-2-il)fenolo (UV-327) N. CE: 223-383-8 N. CAS: 3864-99-1;
- 2-(2H-benzotriazol-2-il)-4-(terz-butil)-6-(sec-butil)fenolo (UV-350) N. CE: 253-037-1 N. CAS: 36437-37-3;
- 2-benzotriazol-2-il-4,6-di-terz-butilfenolo (UV-320) N. CE: 223-346-6 N. CAS: 3846-71-7

**On June 2020 the list has been extended to (ECHA/PR/20/05):**

- 1-vinylimidazole;
- 2-methylimidazole;
- Dibutylbis(pentane-2,4-dionato-O,O')tin;
- Butyl 4-hydroxybenzoate (Butylparaben)

**On July 2020 the list has been extended to directive 2015/863/EU (RoHS III):**

- Piombo - 0,1%
- Mercurio - 0,1%
- Cadmio - 0,1%
- Cromo esavalente - 0,1%
- Bifenili polibromurati - 0,1%
- Eteri di difenile polibromurato (PBDE) - 0,1%
- Ftalato di bis(2-etilesile) (DEHP) - 0,1%
- Benzilbutilftalato (BBP) - 0,1%
- Dibutilftalato (DBP) - 0,1%
- Diisobutilftalato (DIBP) - 0,1%

**On July 2021 the list has been extended to directive ECHA/NR/21/20:**

- 2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers
- Orthoboric acid, sodium salt
- 2,2-bis(bromomethyl)propane-1,3-diol (BMP)
- 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA)
- 2,3-dibromo-1-propanol (2,3-DBPA)
- Glutaral
- Medium-chain chlorinated paraffins (MCCP) - (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17)
- Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)
- 1,4-dioxane
- 4,4'-(1-methylpropylidene) bisphenol

**On January 2022 the list has been extended to directive ECHA/NR/21/20:**

- 6,6'-di-tert-butyl-2,2'-methylene-di-p-
- tris(2-methoxyethoxy) vinylsilane
- (±)-1,7,7-trimethyl-3-[(4-methylphenyl) methylene] bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)
- S-(tricyclo(5.2.1.0<sup>2,6</sup>)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate

**On June 2022 the list has been extended to directive ECHA/NR/22/12:**

- N-(hydroxymethyl)acrylamide

**REACH – decree (EC) No. 1907/2006**

Under REACH we regard ourselves as downstream users. We obtain our materials and auxiliary supplies almost exclusively from suppliers from EU member states.

Since October 2008, the European Chemicals Agency has published a Candidate List of Substances of Very High Concern (SVHC).

On 26.02.2020, Commission Regulation (EU) 2020/171 of 6 February 2020 entered into force, modifying Annex XIV of Regulation (EC) no. 1907/2006 of the European Parliament and of the Council concerning registration, evaluation, authorization and restriction of chemical substances (REACH).

On 19.01.2021 are additions include three substances that are toxic to reproduction and one endocrine disruptor. The Candidate List of substances of very high concern (SVHCs) now contains 211 substances that may have serious effects on people or the environment.

The endocrine-disrupting substance is used in consumer products, such as cosmetics. The three others are used in industrial processes to produce polymers, coating products and plastics, respectively.

We can confirm that our products meet these requirements.

The Candidate List of substances of very high concern now contains 219 chemicals that may harm people or the environment. On 08.07.2021 some of the newly added substances are used in consumer products such as cosmetics, scented articles, rubber and textiles. Others are used as solvents, flame retardants or to manufacture plastics products. Most have been added to the Candidate List because they are hazardous to human health as they are toxic for reproduction, carcinogenic, respiratory sensitisers or endocrine disruptors.

On 17.01.2022 are additions include four substances that are toxic to reproduction and one endocrine disruptor. The Candidate List of substances of very high concern (SVHCs) now contains 223 substances that may have serious effects on people or the environment.

On 10.06.2022 N-(hydroxymethyl)acrylamide has been added to the Candidate List as it may cause cancer or genetic defects. It is mostly used in polymers and when manufacturing other chemicals, textiles, leather or fur.

The Candidate List now has 224 entries – some are groups of chemicals so the overall number of impacted chemicals is higher.

These substances may be placed on the Authorisation List in the future. If a substance is on that list, its use will be prohibited unless companies apply for authorisation and the European Commission authorises them to continue its use.



We shall inform you in future as soon as a substance of very high concern is used in the manufacture of our products.

Calderara di Reno, 10 June 2022

Fittings srl  
Technical Department

