rompetrol | KazMunayGas Group Member

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# STATEMENT OF COMPLIANCE FOR THE PRODUCT PP EXTRUSION SOLUTION – GRADE F401

**We, Rompetrol Rafinare SA, based in Romania, 905700, Navodari city, Navodari Avenue, No.215, Administrative Building, certify the following:**

1. ***Compliance with European Union Regulation 10/2011/EC - Food Contact Regulations, amended by Regulation (EU) 202/2014, Regulation (EU)2015/174, Regulation (EU) 2016/1416, Regulation (EU) 2017/752 and Regulation (EU) 2018/79***

   We hereby certify that:
   - The monomers used to manufacture this product are listed in the List of Authorized Substances of Regulation 10/2011/EC on plastic materials and articles intended to come into contact with food.
   - This product contain specific additives for plastics, without specific migration limits(SML)
   - All other ingredients used, are not subject to any restriction, not have a specific migration limit (SML)

| Substance | CAS No. | SML (mg/kg) |
|---|---|---|
| Pentaerythritol tetrakis(3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate) | 6683-19-8 | - |
| Tris(2,4-ditert-butylphenyl)phosphite | 31570-04-4 | - |
| Octadecanoic acid calcium salt | 1592-23-0 | - |

The resulting maximum overall migration limit for the product PP Extrusion Solution – grade F401, after the laboratory tests is lower than 10 mg/dm2, (total components released on dm2 of contact surface), and the resulted values for maximum specific limit are according with the limits indicated in Regulation 10/2011/EC for each element. Overall / specific migration limit is measured in the most appropriate food simulant in real time / temperature conditions, according with the rules specified in Regulation 10/2011/EC.

This product was tested in contact with 10% ethanol, 3% acetic acid, 50% ethanol and vegetable oil for 2 hours at 70°C and 10 days at 40°C.

The overall and specific migration values complies with specified limits disposed by regulation in force. This product is suitable for contact with dry, aqueous, acidic, ethanolic and fatty foodstuff, including milk products.

Are not intentionally used in the manufacture of this product, dual use additives subject to restrictions in food as defined in Regulation 10/2011/EC, amended by Regulation (EU) 202/2014, Regulation (EU) 2015/174, Regulation (EU) 2016/1416, Regulation (EU) 2017/752 and Regulation (EU) 2018/79.

This product meets the requirements of Framework Regulation (EC) No. 1935/2004 of The European Parliament and of The Council of 27 October 2004, on materials and articles intended to come in contact with food and repealing Directives 80/590/EEC and 89/109/EEC.

This product is produced in accordance with good manufacturing practice (GMP) as outlined in EU GMP Regulation (EC) No 2023/2006.



Trade Registry No: J 13/534/1991
Fiscal Identification No: RO1860712
IBAN: RO22BACX0000000030500310
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***Note 1:*** *It is the responsibility of the manufacturer to check and confirm that the final article meets both the technical and regulatory requirements of the application. In addition, we remind you that the manufacturers of the finished food contact material or article must verify that the finished material or article, manufactured according to good manufacturing practices, does not modify the organoleptic properties of the food.*

2. ***Compliance with REACH Regulation (EC) No 1907/2006***

Rompetrol Rafinare SA has completed the registration of the monomers and substances related to its polypropylene resins commercialized under the name *PP Extrusion Solution – grade F401.*

The registration was done by Rompetrol Rafinare SA, with compliance with Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and the Restriction of Chemicals (REACH), amended by Regulation (EC) No. 2015/830.

3. ***Compliance with the requirements of the European Chemicals Agency (ECHA).***

We hereby certify that these products do not contain any of the Annex XIV, candidate chemicals proposed to be Substances of Very High Concern, above the 0.1% threshold as stated in REACH (Article 57, Regulation No. 1907/2006).

The current list of all SVHCs can be found in Annex 1 to the present declaration.

- List of 28/10/2008 - Substances of Very High Concern (SVHC);
- List of 13/01/2010 - Substances of Very High Concern (SVHC);
- List of 30/03/2010 - Substances of Very High Concern (SVHC);
- List of 18/06/2010 - Substances of Very High Concern (SVHC);
- List of 15/12/2010 - Substances of Very High Concern (SVHC);
- List of 20/06/2011 - Substances of Very High Concern (SVHC);
- List of 19/12/2011 - Substances of Very High Concern (SVHC);
- List of 18/06/2012 - Substances of Very High Concern (SVHC);
- List of 19/12/2012 - Substances of Very High Concern (SVHC);
- List of 20/06/2013 - Substances of Very High Concern (SVHC);
- List of 16/12/2013 - Substances of Very High Concern (SVHC);
- List of 16/06/2014 - Substances of Very High Concern (SVHC);
- List of 17/12/2014 - Substances of Very High Concern (SVHC);
- List of 15/06/2015 - Substances of Very High Concern (SVHC);
- List of 17/12/2015 - Substances of Very High Concern (SVHC);
- List of 20/06/2016 - Substances of Very High Concern (SVHC);
- List of 12/01/2017 - Substances of Very High Concern (SVHC);
- List of 07/07/2017 - Substances of Very High Concern (SVHC);
- List of 15/01/2018 - Substances of Very High Concern (SVHC).

4. ***Compliance with the requirements on heavy metals***

➢ **Heavy metals (ELV Directive 2000/53/EC and its following amendments):**

The quantity (statistically evaluated) of Cd, Pb, Cr(VI), and Hg present in this grade is below the limits given in Annex II (Note) of the Decision 2005/673/EC of September 20th (amending Annex II of Directive 2000/53/EC).

➢ **Coalition of Northeastern Governors (CONEG):**

Not cadmium, chromium (VI), lead, nor mercury is used in the manufacture of or the



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formulation of this product. In addition, this product meets the CONEG requirements of less than 100 ppm for total incidental cadmium, chromium, lead and mercury.

➢ **European Union (EU) Directive - Packaging and packaging waste 94/62/EC (as amended):** Cadmium, chromium (VI), lead and mercury are not used in the manufacture of or the formulation of this product. The product meets the requirements of the year 2001 of less than 100 ppm for total incidental cadmium, chromium (VI), lead and mercury. In addition, this product has the potential to be recycled according to these requirements.

5. ***Compliance with the requirements on restriction of hazardous substances in electric and electronic equipment (RoHS & WEEE)***

This product complies with the Restriction of Hazardous Substances in Electric and Electronic Equipment imposed by Directives 2002/95/EC& 2002/96/EC, as amended.

To the best of our knowledge, the chemicals listed below are neither used nor intentionally included in the production of this resin: PBDE, PBB, Cadmium, Chromium (VI), Lead, Mercury.

6. ***Compliance with the requirements on presence of Bisphenol -A***

We hereby certify that during the manufacturing of this product, we do not use or intentionally incorporate into it Bisphenol -A.

7. ***Compliance with the requirements on presence of Benzophenones***

We hereby certify that the Benzophenones listed below are not intentionally added nor used as additives or raw materials in the manufacture of these grades: 4-methylbenzophenone (also known as 4MeBP), Benzophenone and Hidroxybenzophenone.

8. ***Compliance with Commission Decision 2010/169/EU***

We hereby certify that during the manufacturing of this product, we do not use or intentionally incorporate into it 2,4,4'-trichloro-2'-hydroxydiphenyl ether; according to the restrictions imposed by Commission Decision 2010/169/EU.

9. ***Compliance with Commission Regulation (EC) No. 1895/2005***

This product complies with the restrictions on the use of certain epoxy derivatives in materials and articles intended to come into contact with food.

10. ***Compliance with the requirements on the Presence of Chemicals (Restricted or Banned)***

We hereby certify that during the manufacturing of this product we do not use or intentionally incorporate into it any of the following chemical substances:

- Heavy metals and their compounds: Antimony, Arsenic, Barium, Beryllium, Bismuth, Cadmium, Chromium (VI), Lead, Mercury, Nickel, Selenium, Tin.
- Chemical substances listed in Annex 2 to this declaration.

***Note 2:*** *The products haven't been tested for these substances, we cannot guarantee that there is no trace amount of them, as impurity in these products.*



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***11. Compliance with the requirements on Polymer Additives and BSE***

We certify that in the manufacturing of this product we do not use or intentionally add ingredients from animal origin. This product is to be considered safe to use in food contact applications as well as in pharmaceutical and cosmetic contact applications, with respect to BSE and TSE transmissions.

***12. Compliance with the requirements on Packaging and Packaging Waste***

- CEN Standard, EN 13432:2000, Requirements for packaging- recovery through composting and biodegradation: This product is not suitable for composting and biodegradation according to the above standard.
- CEN Standard, EN 13431:2004, Requirements for packaging- recovery in the form of energy, including specification of minimum inferior calorific value: This product complies with the above standard.

***13. Country of Origin***

We hereby certify that ***PP – Extrusion Solution, grade F401***, is produced in Romania by *ROMPETROL RAFINARE SA.*

*Note 3: To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication;however, we do not assume any liability whatsoever for the accuracy and completeness of the above information.*
*Rompetrol Rafinare SA, makes no warranties which extend beyond the description contained herein*
*Any information in this statement does not constitute any warranty of merchantability or fitness for a particular use. It is the customers' responsibility to inspect and to test our products in order to satisfy themselves as to the suitability of the products to their particular purpose. The customers are responsible for the appropriate, safe and legal use, processing and handling of our products.*
*Rompetrol Rafinare SA, will not accept any liability with respect to the use of its products in conjunction with other materials. The information contained herein relates to our materials when not used in conjunction with any third party materials.*
*Additional information on the health and safety aspects of our product is listed in the MSDS of the product.*
*Note 4: The company reserves the right to update, from time to time, the products description, including the description of their properties and changes, additions or omission of relevant regulations. Customers should, prior to making an order, get updated with the updated products' description.*

**For and on behalf Rompetrol Rafinare SA,** **28.02.2018**
**Rompetrol Quality Control SRL**

**Certified by,**
**Mihaela Martin**
**Head of Petrochemicals Laboratory**

ROMPETROL LABORATOR PETROCHEMICALS QUALITY CONTROL S.R.L.



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*ANNEX 1*

| List of 28/10/2008 - Substances of Very High Concern (SVHC) | | |
|---|---|---|
| **Substance name** | **EC number** | **CAS number** |
| Lead hydrogen arsenate | 232-064-2 | 7784-40-9 |
| Benzyl butyl phthalate (BBP) | 201-622-7 | 85-68-7 |
| Bis (2-ethylhexyl)phthalate (DEHP) | 204-211-0 | 117-81-7 |
| 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene) | 201-329-4 | 81-15-2 |
| Diarsenic trioxide | 215-481-4 | 1327-53-3 |
| Bis(tributyltin)oxide (TBTO) | 200-268-0 | 56-35-9 |
| Triethyl arsenate | 427-700-2 | 15606-95-8 |
| Diarsenic pentaoxide | 215-116-9 | 1303-28-2 |
| Sodium dichromate | 234-190-3 | 7789-12-0, 10588-01-9 |
| Dibutyl phthalate (DBP) | 201-557-4 | 84-74-2 |
| 4,4'- Diaminodiphenylmethane (MDA) | 202-974-4 | 101-77-9 |
| Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) | 287-476-5 | 85535-84-8 |
| Anthracene | 204-371-1 | 120-12-7 |
| Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:<br>Alpha-hexabromocyclododecane<br>Beta-hexabromocyclododecane<br>Gamma-hexabromocyclododecane | 247-148-4<br>221-695-9 | 25637-99-4,<br>3194-55-6<br>(134237-50-6)<br>(134237-51-7)<br>(134237-52-8) |
| **List of 13/01/2010 - Substances of Very High Concern (SVHC)** | | |
| **Substance name** | **EC number** | **CAS number** |
| Lead sulfochromate yellow (C.I. Pigment Yellow 34) | 215-693-7 | 1344-37-2 |
| Lead chromate molybdate sulphate red (C.I. Pigment Red 104) | 235-759-9 | 12656-85-8 |
| Anthracene oil | 292-602-7 | 90640-80-5 |
| 2,4-Dinitrotoluene | 204-450-0 | 121-14-2 |
| Anthracene oil, anthracene paste, anthracene fraction | 295-275-9 | 91995-15-2 |
| Anthracene oil, anthracene-low | 292-604-8 | 90640-82-7 |
| Tris(2-chloroethyl)phosphate | 204-118-5 | 115-96-8 |
| Diisobutyl phthalate | 201-553-2 | 84-69-5 |
| Lead chromate | 231-846-0 | 7758-97-6 |
| Anthracene oil, anthracene paste | 292-603-2 | 90640-81-6 |
| Pitch, coal tar, high temp. | 266-028-2 | 65996-93-2 |
| Anthracene oil, anthracene paste,distn. lights | 295-278-5 | 91995-17-4 |
| **List of 30/03/2010 - Substances of Very High Concern (SVHC)** | | |
| Acrylamide | 201-173-7 | 79-06-1 |
| **List of 18/06/2010 - Substances of Very High Concern (SVHC)** | | |



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| Substance name | EC number | CAS number |
|---|---|---|
| Trichloroethylene | 201-167-4 | 79-01-6 |
| Boric acid | 233-139-2 | 10043-35-3 |
| | 234-343-4 | 11113-50-1 |
| Tetraboron disodium heptaoxide, hydrate | 215-540-4 | 1330-43-4 |
| | | 12179-04-3 |
| | | 1303-96-4 |
| Disodium tetraborate,anhydrous | 235-541-3 | 12267-73-1 |
| Sodium chromate | 231-889-5 | 7775-11-3 |
| Potassium chromate | 232-140-5 | 7789-00-6 |
| Ammonium dichromate | 232-143-1 | 7789-09-5 |
| Potassium dichromate | 231-906-6 | 7778-50-9 |
| **List of 15/12/2010 - Substances of Very High Concern (SVHC)** | | |
| **Substance name** | **EC number** | **CAS number** |
| Cobalt(II) diacetate | 200-755-8 | 71-48-7 |
| Cobalt(II) sulphate | 233-334-2 | 10124-43-3 |
| 2-Ethoxyethanol | 203-804-1 | 110-80-5 |
| Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. | 231-801-5, 236-881-5 | 7738-94-5, 13530-68-2 |
| 2-Methoxyethanol | 203-713-7 | 109-86-4 |
| Chromium trioxide | 215-607-8 | 1333-82-0 |
| Cobalt(II) carbonate | 208-169-4 | 513-79-1 |
| Cobalt(II) dinitrate | 233-402-1 | 10141-05-6 |
| **List of 20/06/2011 - Substances of Very High Concern (SVHC)** | | |
| **Substance name** | **EC number** | **CAS number** |
| Cobalt dichloride | 231-589-4 | 7646-79-9 |
| 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich | 276-158-1 | 71888-89-6 |
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | 271-084-6 | 68515-42-4 |
| Strontium chromate | 232-142-6 | 7789-06-2 |
| 1-Methyl-2-pyrrolidone | 212-828-1 | 872-50-4 |
| 1,2,3-Trichloropropane | 202-486-1 | 96-18-4 |
| 2-Ethoxyethyl acetate | 203-839-2 | 111-15-9 |
| Hydrazine | 206-114-9 | 302-01-2, 7803-57-8 |
| 2-Ethoxyethyl acetate | 203-839-2 | 111-15-9 |
| **List of 19/12/2011 -Substances of Very High Concern(SVHC)** | | |
| 4-(1,1,3,3-tetramethylbutyl)phenol | 205-426-2 | 140-66-9 |
| N,N-dimethylacetamide | 204-826-4 | 127-19-5 |
| Phenolphthalein | 201-004-7 | 77-09-8 |



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|---|---|---|
| Lead diazide, Lead azide | 236-542-1 | 13424-46-9 |
| Lead dipicrate | 229-335-2 | 6477-64-1 |
| 1,2-dichloroethane | 203-458-1 | 107-06-2 |
| Calcium arsenate | 231-904-5 | 7778-44-1 |
| Dichromium tris(chromate) | 246-356-2 | 24613-89-6 |
| 2-Methoxyaniline; o-Anisidine | 201-963-1 | 90-04-0 |
| Pentazinc chromate octahydroxide | 256-418-0 | 49663-84-5 |
| Arsenic acid | 231-901-9 | 7778-39-4 |
| Potassium hydroxyoctaoxodizincatedichromate | 234-329-8 | 11103-86-9 |
| Formaldehyde, oligomeric reaction products with aniline | 500-036-1 | 25214-70-4 |
| Lead styphnate | 239-290-0 | 15245-44-0 |
| Trilead diarsenate | 222-979-5 | 3687-31-8 |
| *Zirconia Aluminosilicate Refractory Ceramic Fibres, are fibres covered by index number 650-017-00- a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight* | - | - |
| Bis(2-methoxyethyl) phthalate | 204-212-6 | 117-82-8 |
| *Aluminosilicate Refractory Ceramic Fibres, are fibres covered by index number 650-017-00-8 a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na2O+K2O+CaO+MgO+BaO) content less or equal to 18% by weight* | - | - |
| Bis(2-methoxyethyl) ether | 203-924-4 | 111-96-6 |
| 2,2'-dichloro-4,4'-methylenedianiline | 202-918-9 | 101-14-4 |

**List of 18/06/2012-Substances of Very High Concern(SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|



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| | | |
|---|---|---|
| α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) *[with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]* | 229-851-8 | 6786-83-0 |
| N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) | 202-959-2 | 101-61-1 |
| 1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) | 423-400-0 | 59653-74-6 |
| Diboron trioxide | 215-125-8 | 1303-86-2 |
| 1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) | 203-977-3 | 112-49-2 |
| 4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol *[with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]* | 209-218-2 | 561-41-1 |
| Lead(II) bis(methanesulfonate) | 401-750-5 | 17570-76-2 |
| Formamide | 200-842-0 | 75-12-7 |
| [4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) *[with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]* | 208-953-6 | 548-62-9 |
| 1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) | 203-794-9 | 110-71-4 |
| [4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) *[with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]* | 219-943-6 | 2580-56-5 |
| 1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) | 219-514-3 | 2451-62-9 |
| 4,4'-bis(dimethylamino)benzophenone (Michler's ketone) | 202-027-5 | 90-94-8 |

**List of 19/12/2012-Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| Pyrochlore, antimony lead yellow | 232-382-1 | 8012-00-8 |
| 6-methoxy-m-toluidine (p-cresidine) | 204-419-1 | 120-71-8 |
| Henicosafluoroundecanoic acid | 218-165-4 | 2058-94-8 |



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|---|---|---|
| Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] *[The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]* | 247-094-1, 243-072-0, 256-356-4, 260-566-1 | 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9 |
| Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] *[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]* | 201-604-9, 236-086-3, 238-009-9 | 85-42-7, 13149-00-3, 14166-21-3 |
| Dibutyltin dichloride (DBTC) | 211-670-0 | 683-18-1 |
| Lead bis(tetrafluoroborate) | 237-486-0 | 13814-96-5 |
| Lead dinitrate | 233-245-9 | 10099-74-8 |
| Silicic acid (H2Si2O5), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008] | 234-363-3 | 11120-22-2 |
| 4-Aminoazobenzene | 200-453-6 | 60-09-3 |
| Lead titanium zirconium oxide | 235-727-4 | 12626-81-2 |
| Lead monoxide (lead oxide) | 215-267-0 | 1317-36-8 |
| o-Toluidine | 202-429-0 | 95-53-4 |
| 3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine | 421-150-7 | 143860-04-2 |
| Silicic acid ($H_2Si_2O_5$), barium salt (1:1), lead-doped | 272-271-5 | 68784-75-8 |
| Trilead bis(carbonate)dihydroxide | 215-290-6 | 1319-46-6 |
| Furan | 203-727-3 | 110-00-9 |
| N,N-dimethylformamide | 200-679-5 | 68-12-2 |
| 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated *[covering well-defined substances and UVCB substances, polymers and homologues]* | - | - |
| 4-Nonylphenol, branched and linear *[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also* | - | - |



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| *UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]* | | |
|---|---|---|
| 4,4'-methylenedi-o-toluidine | 212-658-8 | 838-88-0 |
| Diethyl sulphate | 200-589-6 | 64-67-5 |
| Dimethyl sulphate | 201-058-1 | 77-78-1 |
| Lead oxide sulfate | 234-853-7 | 12036-76-9 |
| Lead titanium trioxide | 235-038-9 | 12060-00-3 |
| Acetic acid, lead salt, basic | 257-175-3 | 51404-69-4 |
| [Phthalato(2-)]dioxotrilead | 273-688-5 | 69011-06-9 |
| Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) | 214-604-9 | 1163-19-5 |
| N-methylacetamide | 201-182-6 | 79-16-3 |
| Dinoseb (6-sec-butyl-2,4-dinitrophenol) | 201-861-7 | 88-85-7 |
| 1,2-Diethoxyethane | 211-076-1 | 629-14-1 |
| Tetralead trioxide sulphate | 235-380-9 | 12202-17-4 |
| N-pentyl-isopentylphthalate | - | 776297-69-9 |
| Dioxobis(stearato)trilead | 235-702-8 | 12578-12-0 |
| Tetraethyllead | 201-075-4 | 78-00-2 |
| Pentalead tetraoxide sulphate | 235-067-7 | 12065-90-6 |
| Pentacosafluorotridecanoic acid | 276-745-2 | 72629-94-8 |
| Tricosafluorododecanoic acid | 206-203-2 | 307-55-1 |
| Heptacosafluorotetradecanoic acid | 206-803-4 | 376-06-7 |
| 1-bromopropane (n-propyl bromide) | 203-445-0 | 106-94-5 |
| Methoxyacetic acid | 210-894-6 | 625-45-6 |
| 4-methyl-m-phenylenediamine (toluene-2,4-diamine) | 202-453-1 | 95-80-7 |
| Methyloxirane (Propylene oxide) | 200-879-2 | 75-56-9 |
| Trilead dioxide phosphonate | 235-252-2 | 12141-20-7 |
| o-aminoazotoluene | 202-591-2 | 97-56-3 |
| 1,2-Benzenedicarboxylic acid, dipentylester, branched and linear | 284-032-2 | 84777-06-0 |
| 4,4'-oxydianiline and its salts | 202-977-0 | 101-80-4 |
| Orange lead (lead tetroxide) | 215-235-6 | 1314-41-6 |
| Biphenyl-4-ylamine | 202-177-1 | 92-67-1 |
| Diisopentylphthalate | 210-088-4 | 605-50-5 |
| Fatty acids, C16-18, lead salts | 292-966-7 | 91031-62-8 |
| Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) | 204-650-8 | 123-77-3 |
| Sulfurous acid, lead salt, dibasic | 263-467-1 | 62229-08-7 |
| Lead cyanamidate | 244-073-9 | 20837-86-9 |
| Bis(2-methoxyethyl) phthalate | 204-212-6 | 117-82-8 |



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|---|---|---|
| Formaldehyde, oligomeric reaction products with aniline (technical MDA) | 500-036-1 | 25214-70-4 |
| Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) | - | - |
| Aluminosilicate Refractory Ceramic Fibres (RCF) | - | - |
| Pentazinc chromate octahydroxide | 256-418-0 | 49663-84-5 |
| Potassium hydroxyoctaoxodizincatedichromate | 234-329-8 | 11103-86-9 |
| Dichromium tris(chromate) | 246-356-2 | 24613-89-6 |

**List of 20/06/2013 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| Cadmium | 231-152-8 | 7440-43-9 |
| Cadmium oxide | 215-146-2 | 1306-19-0 |
| Ammonium pentadecafluorooctanoate (APFO) | 223-320-4 | 3825-26-1 |
| Pentadecafluorooctanoic acid (PFOA) | 206-397-9 | 335-67-1 |
| Dipentyl phthalate (DPP) | 205-017-9 | 131-18-0 |
| 4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof] | - | - |

**List of 16/12/2013 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| Cadmium sulphide | 215-147-8 | 1306-23-6 |
| Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) | 209-358-4 | 573-58-0 |
| Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) | 217-710-3 | 1937-37-7 |
| Dihexyl phthalate | 201-559-5 | 84-75-3 |
| Imidazolidine-2-thione (2-imidazoline-2-thiol) | 202-506-9 | 96-45-7 |
| Lead di(acetate) | 206-104-4 | 301-04-2 |
| Trixylyl phosphate | 246-677-8 | 25155-23-1 |

**List of 16/06/2014 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear | 271-093-5 | 68515-50-4 |



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|---|---|---|
| Sodium perborate; perboric acid, sodium salt | 239-172-9; 234-390-0 | - |
| Sodium peroxometaborate | 231-556-4 | 7632-04-4 |
| Cadmium chloride | 233-296-7 | 10108-64-2 |

**List of 17/12/2014 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| Bis(2-ethylhexyl) phthalate (DEHP) | 204-211-0 | 117-81-7 |
| 2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) | 223-346-6 | 3846-71-7 |
| 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) | 239-622-4 | 15571-58-1 |
| reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) | - | - |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) | 247-384-8 | 25973-55-1 |
| Cadmium fluoride | 232-222-0 | 7790-79-6 |
| Cadmium sulphate | 233-331-6 | 10124-36-4, 31119-53-6 |

**List of 15/06/2015 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5) | 271-094-0; 272-013-1 | 68515-51-5; 68648-93-1 |
| 5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof] | - | - |

**List of 17/12/2015 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| 1,3-propanesultone | 214-317-9 | 1120-71-4 |
| 2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) | 223-383-8 | 3864-99-1 |
| 2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) | 253-037-1 | 36437-37-3 |
| Nitrobenzene | 202-716-0 | 98-95-3 |



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|---|---|---|
| Perfluorononan-1-oic-acid and its sodium and ammonium salts | 206-801-3 | 375-95-1; 21049-39-8; 4149-60-4 |

**List of 20/06/2016 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| Benzo[def]chrysene | 200-028-5 | 50-32-8 |

**List of 12/01/2017 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| 4,4'-isopropylidenediphenol (Bisphenol A; BPA) | 201-245-8 | 80-05-7 |
| 4-Heptylphenol, branched and linear | - | - |
| Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts (Nonadecafluorodecanoic acid , Ammonium nonadecafluorodecanoate , Decanoic acid, nonadecafluoro-, sodium salt) | 206-400-3; 221-470-5; - | 335-76-2; 3108-42-7; 3830-45-3 |
| p-(1,1-dimethylpropyl)phenol | 201-280-9 | 80-46-6 |

**List of 07/07/2017 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| Perfluorohexane-1-sulphonic acid and its salts (PFHxS) | - | - |

**List of 15/01/2018 - Substances of Very High Concern (SVHC)**

| Substance name | EC number | CAS number |
|---|---|---|
| Benz[a]anthracene | 200-280-6 | 56-55-3, 1718-53-2 |
| Cadmium carbonate | 208-168-9 | 513-78-0 |
| Cadmium hydroxide | 244-168-5 | 21041-95-2 |
| Cadmium nitrate | 233-710-6 | 10022-68-1, 10325-94-7 |
| Chrysene | 205-923-4 | 218-01-9, 1719-03-5 |
| Dodecachloropentacyclo[12.2.1.16,9.02,13.05, 10] octadeca-7,15-diene ("Dechlorane Plus"™) covering any of its individual anti- and syn-isomers or any combination thereof | - | - |
| Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥ 0.1% w/w 4-heptylphenol, branched and linear (4-HPbl) | - | - |



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*ANNEX 2*

1. ACRYLAMIDE (CAS NO 79-06-1);
2. ALKYLPHENOL DERIVATIVES: Dodecylphenol (CAS No 121158-58-5), Nonylphenol and ethoxylates (CAS No 25154-52-3 and 84852-15-3), Octylphenol and ethoxylates (CAS No 104-66-9 and 27193-28-8);
3. AROMATIC AMINES (Regulation 1907/2006/EC Annex XVII Appendix 8);
4. ASBESTOS (Regulation 1907/2006/EC Annex XVII);
5. AZOCOLORANTS (Regulation 1907/2006/EC Annex XVII Appendixes 8 and 9);
6. B naphtylamine;
7. Benzene (CAS No 71-43-2);
8. BENZOPHENONE DERIVATIVES: benzophenone (CAS No 119-61-9),2 hydroxybenzophenone (CAS No 117-99-7), 3-hydroxybenzophenone (CAS No 13020-57-0), 4-hydroxybenzophenone (CAS No 1137-42-4), 4-methylbenzophenone (CAS No 134-84-9);
9. BENZOTRIAZOLE (CAS No 95-14-7)
10. BIOCIDES (Directive 1998/8/EC)
11. BISPHENOL A (BPA): 2,2-bis(4-hydroxyphenyl)propane (CAS No 80-05-7);
12. BISPHENOL F (CAS No 620-92-8);
13. BISPHENOL S (BPS): 4,4'-Sulfonyldiphenol (CAS No 80-09-1);
14. BROMINATED FLAME RETARDANTS (Directive 2002/96/EC (WEEE)): polybrominated biphenyls (PBB; CAS No 59536-65-1, polybrominated diphenyl ethers (PBDE), polybrominated terphenyls (PBT), pentabromodiphenyl ether (CAS No 32534-81-9), octabromodiphenyl ether (CAS No 32536-52-0)
15. BUTYLATED HYDROXYANISOLE (BHA, CAS No 25013-16-5 and 121-00-6)
16. BUTYLATED HYDROXYTOLUENE (BHT, CAS No 128-37-0)
17. CHLORINATED ALIPHATIC COMPOUNDS(Commission Decision 2010/169/EU): tetrachloromethane (CAS No 56-23-5), 1,1,2,2-tetrachloroethane (CAS No 79-34-5), 1,1,1,2-tetrachloroethane (CAS No 630-20-6), pentachloroethane (CAS No 76-01-7), trichloromethane (chloroform; CAS No 67-66-3), 1,1,2-trichloroethane (CAS No 79-00-5), 1,1-dichloroethylene (CAS No 75-35-4), 1,1,1-trichloroethane (CAS No 71-55-6)
18. CYANURIC ACID (CAS No 108-80-5);
19. DECABROMOFIPHENYLETHER (decaBDE);
20. DI(2-ETHYL HEXYL) MALEATE (DEHM; CAS No 142-16-5);
21. DI-BUTYL FUMARATE (DBF, CAS No 105-75-9);
22. DI-METHYL-FORMAMIDE (DMF; CAS No 68-12-2);
23. DI-METYL FUMARATE (DMF, CAS No 624-49-7) (Directive 2009/251/EC);
24. DIOXINS AND DIFURANS;
25. EPICHLOROHYDRIN (CAS No 106-89-8);
26. EPOXIDIZED SOYA BEAN OIL (ESBO; CAS No 8013-07-8);
27. EPOXY DERIVATIVES (Regulation 1895/2005/EC): 2,2-bis (4-hydroxyphenyl) propane bis (2,3-epoxypropyl) ether (BADGE), bis(hydroxyphenyl) methane bis (2,3-epoxypropyl) ethers (BFDGE), novolac glycidyl ethers (NOGE)
28. ETHYL HEXANOIC ACID (EHA);
29. FLUOROCARBONS: fluorotelemers, perfluorooctane sulfonate (PFOS), perfluorooctanoic acid (PFOA), perfluorochemicals (PFC);



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30. FOOD ALLERGENS: peanuts, tree nuts, milk, eggs, soybeans, shellfish, crustaceans, molluscs, sulfites, food colors,celery, grains, seeds, aspartame, monosodium glutamate (MSG), caffeine; hydrogenated vegetable, protein (HVP), lupine;
31. FORMALDEHYDE (formol; CAS No 50-00-0);
32. FUNGICIDES;
33. GENETICALLY MODIFIED ORGANISM (GMO);
34. HALOGENS: Elemental Fluorine, Chlorine, Bromine or Iodine;
35. HEXACHLOROBENZENE (HCB, CAS No 118-74-1);
36. HYDRAZINE DERIVATIVES;
37. ISOPROPYLTHIOXANTHONE (ITX; CAS No 5495-84-1 and 83846-86-0);
38. MELAMINE: 1,3,5-Triazine-2,4,6-triamine (CAS No 108-78-1);
39. NANOMATERIALS;
40. NATURAL RUBBER and NATURAL LATEX;
41. NITRITE;
42. NITRATE
43. N-ethyl-p-toluenesulfonamide (NEPTSA; CAS No 80-39-7);
44. N-ethyl-toluenesulfonamide (NETSA; CAS No 1077-66-1);
45. ORGANO-TIN COMPOUNDS: dibutyl-tin (DBT, CAS No 14488-53-0),dioctyl-tin (DOT), monobutyl-tin (MBT), tributyl-tin (TBT),tributyl-tin oxide (TBTO), triphenyl-tin (TPT);
46. OZONE-DEPLETING CHEMICALS (ODC's): Class I and Class II ODC's listed in the US Clean Air Act Amendments of 1990, among them:1,1,1-Trichloroethane (methyl chloroform), bromochloromethane, carbon tetrachloride, CFC's, halons, hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), methyl bromide;
47. PARABENS: Esters of para-hydroxybenzoic-acid;
48. PENTACHLOEOPHENOL (PCP) Regulation 1907/2006/EC Annex XVII;
49. PERFLUORINATED HYDROCARBONS (Directive 2006/122/EC): Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonate (PFOS);
50. PESTICIDES, HERBICIDES;
51. PHTHALATES (Regulation 1907/2006/EC): butyl benzyl phthalate (BBP, CAS No 85-68-7), di(2-ethylhexyl) phthalate (DEHP), di-octyl phthalate (DOP, CAS No 117-81-7), di-butyl phthalate (DBP) or di-n-butyl phthalate (DNBP, CAS No 84-74-2), di-iso-decyl phthalate (DIDP, CAS No 26761-40-0), di-iso-nonyl phthalate (DINP, CAS No 28553-12-0), di-n-octyl phthalate (DNOP, CAS No 117-84-0);
    DEHP are not intentionally added or used in the production of resins.

***Note 5:* Rompetrol Rafinare is using the latest generation phthalates free catalysts for polypropylene production and starting from January 2016 all the polypropylene grades produced by Rompetrol Rafinare S.A. are phthalates free.**

52. PLASTICIZERS;
53. DEHA (di(ethylehexyl) adipate), DINCH, BTHC, TOTM, etc.
54. POLYCHLORINATED BIPHENYLS (PCB);
55. POLYCHLORINATED NAPHTALENES (PCN) (Regulation 1907/2006/EC Annex XVII);
56. POLYCHLORINATED TERPHENYLS (PCT);
57. POLYCYCLIC AROMATIC HYDROCARBONS (PAH): 1,2-dihydro-acenaphthene (CAS No 83-32-9), acenaphthylene (CAS No 208-96-8), anthracene (CAS No 120-12-7), benz(a)anthracene (CAS No 56-55-3), benzo(a)pyrene (CAS No 50-32-8), benzo(b)fluoranthene (CAS No 205-99-2),



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benzo(e)pyrene (CAS No 192-97-2), benzo(ghi)perylene (CAS No 191-24-2), benzo(j)fluoranthene (CAS No 205-82-3), benzo(k)fluoranthene (CAS No 207-08-9), chrysene (CAS No 218-01-9), dibenz(a,h)anthracene (CAS No 53-70-3), fluoranthene (CAS No 206-44-0), fluorene (CAS No 86-73-7), indeno(1,2,3-cd)pyrene (CAS No 193-39-5), naphthalene (CAS No 91-20-3), phenanthrene (CAS No 85-01-8), pyrene (CAS No 129-00-0)

58. POLYETHYLENE GLYCOL (PEG);
59. POLYSTYRENE RESINS;
60. POLYVINYLCHLORIDE (PVC, CAS No 9002-86-2);
61. QUATERNARY AMMONIUM COMPOUNDS: didecyl dimethyl ammonium chloride (DDAC, CAS No 7173-51-5), benzalkonium chloride (BAC, CAS No 8001-54-5);
62. RADIOACTIVE SUBSTANCES (Directive 96/29/EURATOM);
63. RECYCLED MATERIALS (Regulation 282/2008/EC);
64. SEMICARBAZIDE (SEM) and AZODICARBONAMIDE (Directive 2004/1/EC);
65. SHORT CHAINED CHLORINATED PARAFFINS;
66. SILICA GEL (CAS No 99439-28-2).

**28.02.2018**



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