

Feluy, March 21, 2006

ALL POLYPROPYLENE PPH, PPC, PPR, PPM AND MR PRODUCTS

PRODUCT STEWARDSHIP CERTIFICATE

1. AROMATIC AMINES

We hereby confirm that we do not use any of the aromatic amines listed in Directive 2002/61/EC in the manufacturing of the above-mentioned products.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

2. ASBESTOS

We hereby confirm that we do not use asbestos in the manufacturing of the above-mentioned products. We mean the following substances by asbestos : aktinolith (CAS RN : 77536-66-4), amosit (CAS RN : 12172-73-5), anthophyllit (CAS RN : 77536-67-5), chrysotil (CAS RN : 12001-29-5), krokydololith (CAS RN : 12001-28-4) and tremolit (CAS RN : 77536-68-6).

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

3. AZOCOLOURANTS

We hereby confirm that we do not use azocolourants listed in Directive 2002/61/EC in the manufacturing of the above-mentioned products.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

4. BOSCH NORM N 2580-1.1

We confirm that the above-mentioned products are not formulated to contain substances listed in the BOSCH NORM N 2580-1.1 above the threshold of 0.1%. Concerning the phthalates, we refer to the title "PHTHALATES".

5. CHLORINATED ALIPHATIC COMPOUNDS

We hereby confirm that we do not use chlorinated aliphatic substances in the manufacturing of the above-mentioned products.

We mean the following substances by chlorinated aliphatic compounds : tetrachloromethane (CAS RN : 56-23-5), 1,1,1,2-tetrachloroethane (CAS RN : 79-34-5), 1,1,1,2-tetrachloroethane (CAS RN : 630-20-6), pentachloroethane (CAS RN : 76-01-7), trichloromethane (chloroform; CAS RN : 67-66-3), 1,1,2-trichloroethane (CAS RN : 79-00-5), 1,1-dichloroethylene (CAS RN : 75-35-4), 1,1,1-trichloroethane (CAS RN : 71-55-6).

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

6. CHLOROFLUOROCARBONS (CFC) AND HALONES

We hereby confirm that we do not use chlorofluorocarbons (CFC) and halones in the manufacturing of the above-mentioned products.

We mean the following substances by chlorofluorocarbons (CFC) and halones : trichlorofluoromethane (R 11), dichlorodifluoromethane (R 12), chlorotrifluoromethane (R 13), tetrachlorodifluoroethane (R 112), trichlorotrifluoroethane (R 114), chloropentafluoroethane (R 115), bromochlorodifluoromethane (halone 1211), bromotrifluoromethane (halone 1301), dibromotetrafluoroethane (halone 2402), chlorodifluoromethane (R 22).

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

7. CMR SUBSTANCES (= CARCINOGENS, MUTAGENS OR TOXIC TO REPRODUCTION CATEGORY I AND II)

Substances classified as category 1 or 2 carcinogens, mutagens or toxic to reproduction (known as CMR substances) are listed in the Directive 76/769/EEC as latest amended by its 25th amendment, which list can be found at the following internet address : <http://europa.eu.int/comm/enterprise/chemicals/legislation/markrestr/index.htm>.

We hereby confirm that we do not use CMRs category 1 or 2 substances as additive that would justify a listing in Annex III of the EU Plastic Directive 2002/72/EC.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge.

Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector.

The companies within TOTAL PETROCHEMICALS do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein.

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8. CONEG

We hereby confirm that this product complies with the requirements of the Coalition of the Northeastern Governors (CONEG, USA) because the overall concentration of cadmium, mercury, lead and chromium is lower than 100 ppm (w/w).

9. DANGEROUS SUBSTANCES

We hereby confirm that the above-mentioned products are neither a dangerous preparation according to the Directive 1999/45/EC nor a dangerous substance according to the Directive 67/548/EEC.

10. DECRET 98-638

We hereby certify that the above-mentioned products meet the requirements of the French Decree n° 98-638 dated 20 July, 1998 imposing to take into account environmental requirements in the conception and in the manufacturing of packaging material as far as the following articles are concerned :

Article 3

- the above-mentioned products are intended for the manufacture of packaging materials;
- the above-mentioned products are recyclable by melting and pelletizing;
- the above-mentioned products have a heat of combustion sufficient to enable to optimize energy recovery (*).

Article 4

The total of the concentration of lead + cadmium + mercury + hexavalent chromium does not exceed 100 ppm.

We kindly remind you that the Decree concerns the packaging material as end product, for which we cannot provide any guarantee.

(*) The control of the combustion conditions and the technical measures related thereto cannot be controlled by the producer of the above-mentioned product(s) and thus do not fall within his responsibility.

11. DIOXINS

We hereby confirm that we do not use dioxins in the manufacturing of the above-mentioned products. We mean the following substances by dioxins : 2,3,7,8-tetrachlorodibenzo-p-dioxin, 2,3,7,8-pentachlorodibenzo-p-dioxin, 1,2,3,4,7,8-hexachlorodibenzo-p-dioxin, 1,2,3,7,8,9-hexachlorodibenzo-p-dioxin, 1,2,3,6,7,8-hexachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin, 1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin, 1,2,3,7,8-pentabromo-dibenzo-p-dioxin, 1,2,3,4,7,8-hexabromo-dibenzo-p-dioxin, 1,2,3,7,8,9-hexabromo-dibenzo-p-dioxin, 1,2,3,6,7,8-hexabromo-dibenzo-p-dioxin.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

12. DIRECTIVE 76/769/EEC

We confirm that the above-mentioned products comply with Directive 76/769/EEC relating to restrictions on the marketing and use of certain dangerous substances and preparations because the above-mentioned products are, to the best of our knowledge, not covered by the Directive.

Concerning Directive 91/388/EEC, which is amending for the 10th time Directive 76/769/EEC, we hereby confirm that neither Cadmium nor Cadmium compounds are used to give colour to the above-mentioned products.

Moreover, we hereby confirm that these products meet the requirements of the Council Directive 91/338/EEC because every time analyses were performed on these products, results were substantially below the prescribed limits, namely 0.01% by mass of the plastic material expressed as Cd metal.

13. ECO-Profiles of the European plastics industry

We inform you that our Company contributed to the establishment of the Eco-profiles and that the Eco-profiles are representative for the above-mentioned products under the conditions laid down in the APME Report of July 2003.

14. ELECTRIC AND ELECTRONIC EQUIPMENT

We hereby inform you that Directive 2002/95/EC does not cover our Polypropylenes as "raw materials" but it only applies to the "electrical and electronic equipment" as finished products defined in the Annex IA under categories 1,2,3,4,5,6,7 and 10 of the European Directive 2002/96/EC.

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15. Nevertheless, we hereby confirm that neither polybromo biphenyls (PBB) nor polybromo diphenylethers (PBDE) are used in the manufacturing of the above-mentioned products. Moreover, a certificate that includes a heavy metals statement (including lead, cadmium, mercury and chromium) is enclosed.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

15. END OF LIFE VEHICLES

We hereby confirm that this product complies with the Directive 2000/53/EC on end of life vehicles with respect to the heavy metals content limit defined in the notes of the Decision 2002/525/EC, because the overall concentration of lead, chromium and mercury is lower than 0.1 % by weight, and the concentration of cadmium is lower than 0.01 % by weight.

16. EPOXY DERIVATIVES

We hereby confirm that 2,2-bis (4-hydroxyphenyl) propane bis (2,3-epoxypropyl) ether ('BADGE'), bis (hydroxyphenyl) methane bis (2,3-epoxypropyl) ethers ('BFDGE') and novolac glycidyl ethers ('NOGE') listed in Article 1 of Directive 2002/16/EC amended by Directive 2004/13/EC are not used in the manufacturing of the above-mentioned products. The same is valid for the substances mentioned in Regulation 1895/2005/EC.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

17. ETHANOL

We hereby confirm that we do not use ethanol in the manufacturing of the above-mentioned products.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

18. GENETICALLY MODIFIED ORGANISMS

We hereby confirm that we do not use Genetically Modified Organisms in the manufacturing of the above-mentioned products.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

19. GMW 3059

We hereby confirm that the above-mentioned products are in compliance with the requirements of the "list of declarable materials in automobile manufacturing – Substances in components and construction materials" previously known as VDA-list 232-101 (dated July 2001), which is referred to in the first sentence of point 3 of GMW 3059.

20. HALOGENS

We hereby confirm that we do not use the elemental Fluorine, Chlorine, Bromine or Iodine in the manufacturing of the above-mentioned products.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

21. HEAVY METALS

We hereby confirm that the above-mentioned products comply with Directive 94/62/EC and Directive 2004/12/EC on Packaging Waste with respect to the heavy metals content limit because the overall concentration of cadmium, mercury, lead and chromium is lower than 100 ppm (w/w).

22. LATEX

We hereby confirm that we do not use latex in the manufacturing of the above-mentioned products. We mean the following by latex : "a white, tacky, aqueous suspension of a hydrocarbon polymer occurring naturally in some species of trees, shrubs, or plants, or made synthetically".

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

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23. NONYLPHENOL AND NONYLPHENOLETHOXYLATES

We hereby confirm that we do not use nonylphenol or nonylphenoethoxylates in the manufacturing of the above-mentioned products.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

24. ORGANOTIN COMPOUNDS

We hereby confirm that we do not use Monobutyltin Cation (MBT), Dibutyltin Cation (DBT), Tributyltin Cation (TBT), Triphenyltin cation (TPT) and Tributyltin oxide (TBTO) in the manufacturing of the above-mentioned products.

However, since we do not systematically perform systematic tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

25. OZONE (Regulation 2037/2000/EC)

We hereby confirm that the above-mentioned products are manufactured without the use of ozone-depleting substances as listed in the following regulations :

- the Montreal Protocol on Substances that deplete the Ozone Layer, as last adjusted and/or amended in Beijing 1999 - (UNEP - United Nations Environment Program); (the substances regulated by Article 2A-21 being : CFCs, Halons, Other fully halogenated CFCs, Carbon tetrachloride, 1,1,1-Trichloroethane (Methyl chloroform), Hydrochlorofluorocarbons, Hydrobromofluorocarbons, Methyl bromide, Bromochloromethane.
- the United States Clean Air Act, as amended in 1990, title VI, section 602 (a), class I & II.

26. PENTA- and OCTABROMODIPHENYLEETHERS

We hereby confirm that we do not use penta- or octabromodiphenylethers listed in Directive 2003/11/EC in the manufacturing of the above-mentioned products.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

27. PENTACHLOR/ PHENOL

We hereby confirm that we do not use pentachlorophenol (PCP), PCP-sodium, as well as other PCP-salts and compounds in the manufacturing of the above-mentioned products.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

28. PERFLUORO OCTANYL SULPHONATE (PFOS) AND PERFLUORO OCTANYL SULPHONATE (PFOA)

We hereby confirm that we do not use Perfluoro octanyl sulphonate (PFOS) or Perfluoro octanyl sulphonate (PFOA) in the manufacturing of the above-mentioned products.

However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

29. PESTICIDES

We hereby confirm that the additives (as defined in Directive 2002/72/EC, Annex III) used in the above-mentioned products are not pesticides or herbicides (defined as plant protection products in Directive 91/414/EC). We hereby mean that, to the best of our knowledge, they are not added to :

- protect plants or plant products against all harmful organisms or prevent the action of such organisms, in so far as such substances or preparations are not otherwise defined below;
- influence the life processes of plants, other than as a nutrient (e.g. growth regulators);
- preserve plant products, in so far as such substances or products are not subject to special Council of Commission provisions on preservatives;
- destroy undesired plants; or
- destroy parts of plants, check or prevent undesired growth of plants.

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30. PHTHALATES

We hereby confirm that we do not use any of the phthalates listed in Directive 2005/84/EC (di-iso-nonyl phthalate (DINP), di(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), di-iso-decyl phthalate (DIDP), di-n-octyl phthalate (DNOP), and butylbenzyl phthalate (BBP)) as additive that would justify a listing in Annex III of the EU Plastic Directive 2002/72/EC. Nevertheless, we inform you that traces of dibutyl phthalate (DBP) and another phthalate, namely di-isobutyl phthalate (DIBP), may be present in some of our products, as catalyst modifier residues. The maximum concentration would not exceed 10 ppm, an extremely low level compared to percent levels used for plasticizer additives in other polymer types. Please note that DIBP is neither included in nor targeted by the European Commission Decision 99/815/EC and amendments concerning measures relating to toys prohibiting certain phthalates.

31. POLYCHLORINATED BIPHENYLS

We hereby confirm that we do not use polychlorinated biphenyls as listed in Directive 76/769/EEC in the manufacturing of the above-mentioned products. However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

32. POLYCHLORINATED TERPHENYLS

We hereby confirm that we do not use polychlorinated terphenyls as listed in Directive 76/769/EEC in the manufacturing of the above-mentioned products. However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

33. POLYVINYLCHLORIDE

We hereby confirm that we do not use polyvinylchloride in the manufacturing of the above-mentioned products. However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

34. PROPOSITION 65 JULY 2003

We hereby confirm that we do not use Chemicals listed in the Proposition 65, California Safe Drinking Water and Toxic Enforcement Act of 1986 (chemicals list – dated July 11, 2003 – that you can find at the following web address (http://www.oeaha.org/prop65/prop65_list/Newlist.html)) as additive that would justify a listing in Annex III of the EU Plastic Directive 2002/72/EC, in the above-mentioned products. However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products. Thus, whilst we cannot make an absolute claim about the absence of the Proposition 65 Chemicals in the above grades, we believe that no warning is required under the California Act.

35. PSA PEUGEOT CITROEN B20 0250

We confirm that the above-mentioned products are not formulated to contain substances listed in the PSA PEUGEOT CITROEN B20 0250-list above the threshold of 0.1 % wt. For the heavy metal content (Cadmium, Mercure, Plomb, Chrome hexavalent) we refer to our heavy metal statement.

36. RADIOACTIVE SUBSTANCES

We can hereby confirm that the above-mentioned products are not regarded as radioactive substances that would require reporting in the framework of Directive 94/29/EURATOM laying down basic safety standards for the protection of the health of workers and the general public against the dangers arising from ionizing radiation.

37. RENAULT 2000 (ref. 00-10-050/--D and ref. 00-10-050/--E)

We confirm that the above-mentioned products are not formulated to contain substances listed in the RENAULT 2000 list (ref. 00-10-050/--D and ref. 00-10-050/--E) above the threshold of 0.1 % wt.

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38. SAFETY DATA SHEETS

The Safety Data Sheets of the above-mentioned products can be downloaded from the website : <http://www.quickfds.com/> using the MSDS Supplier Name of Total Petrochemicals. Our customers receive automatically a safety data sheet after their first order and when they make a new order after a period that is longer than 12 months. They will also receive automatically a safety data sheet when modifications have been made.

39. SEMICARBAZIDE / AZODICARBONAMIDE

We hereby confirm that we do not use semicarbazide or azodicarbonamide listed in Directive 2004/1/EC in the manufacturing of the above-mentioned products.
However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

40. SHORT CHAINED CHLORINATED PARAFFINS

We hereby confirm that we do not use Short chained chlorinated paraffins listed in Directive 2002/45/EC, in the manufacturing of the above-mentioned products.
However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

41. SILICONE

We hereby confirm that silicone is not used in the manufacturing of the above-mentioned products.
However, since we do not systematically perform specific test to verify the potential presence of these substances in our products, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

42. VDA-LIST 232-101 (dated July 2001)

We hereby confirm that the above-mentioned products are in compliance with the requirements of the "list of declarable materials in automobile manufacturing – Substance in components and construction materials" previously known as VDA-list 232-101 (dated July 2001).

43. HYDROGENATED CHLOROFUOROCARBONS (HCFC)

We hereby confirm that we do not use hydrogenated chlorofluorocarbons in the manufacturing of the above-mentioned products.
However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

44. POLYCYCLIC AROMATIC HYDROCARBONS (PAH)

We hereby confirm that we do not use polycyclic aromatic hydrocarbons in the manufacturing of the above-mentioned products.
However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

45. BIOCIDES

We hereby confirm that the additives (as defined in Directive 2002/72/EC, Annex III) used in the here-above mentioned are not biocidal products (As defined in Directive 98/8/EC). We hereby mean that, to the best of our knowledge, the additives are not added to destroy, deter, render harmless, prevent the action of, or otherwise exert a controlling effect on any harmful organism by chemical or biological means. Nor are they one of the 23 product types which are given in Annex V of directive 98/8/CE.
Furthermore we inform you that we do not test each grade we sell to check the potential presence of trace amounts of each chemicals hereby listed which could be present in the as impurities.

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Page 7/7
DOSSIER N° 302

Feluy, March 21, 2006

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45. ISOPROPYLTHIOXANTHONE (ITX)

We hereby confirm that we do not use isopropylthioxanthone (ITX) in the manufacturing of the above-mentioned products. However, since we do not systematically perform specific tests to verify the absence of these substances, we cannot guarantee that there is no trace amount of these substances, as impurity or otherwise, in the above-mentioned products.

All EC Regulations can be downloaded or requested free of charge on the following internet site : <http://europa.eu.int/eur-lex/en/index.html>

Our certificate does not cover :

- any modification of the warranted product by any addition of any other product to it,
- any prejudicial modification of the warranted product resulting from a processing of the product,
- an inadequate use and/or storage of the material and of the finished articles.

The present certificate is based on the status of the legislation at the date written above and is valid until end 2007. It can be renewed upon request.

TOTAL PETROCHEMICALS RESEARCH FELUY

A. NOIRET
Regulatory Affairs, Expert

D. PEVENAGE
Regulatory Affairs, Manager

issued by an electronic system

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