

Our Reference: PCGB/I&T/PSRA/2017/Regulatory/T2L21-01/0241

6th June 2017

CONG TY CO PHAN SAM CHEM QUA CAU
7th Floor, No 82 Tran Huy Lieu,
Ward 15, Phu Nhuan District,
Ho Chi Minh City
Vietnam

Dear Sir/Madam,

PCDSB: Restriction of Hazardous Substances (RoHS)

This is to certify that the following substances are not being used in the production of all Petronas Chemicals Derivatives Sdn Bhd (PCDSB). Therefore, all PCDSB grades (i.e. Butyl Carbitol, Tergitol NP-series, Tergitol 26-L-series, Isobutanol, Butanol) do not contain the substances listed below:

1. Lead	< 0.1% by the weight (1000ppm)
2. Mercury	< 0.1% by the weight (1000ppm)
3. Cadmium	< 0.01% by the weight (100ppm)
4. Hexavalent Chromium	< 0.1% by the weight (1000ppm)
5. Polybrominated biphenyls (PBB)	< 0.1% by the weight (1000ppm)
6. Polybrominated diphenyl esters (PBDE)	< 0.1% by the weight (1000ppm)
7. Bis(2-ethylhexyl) phthalate (DEHP)	< 0.1% by the weight (1000ppm)
8. Butyl benzyl phthalate (BBP)	< 0.1% by the weight (1000ppm)
9. Dibutyl phthalate (DBP)	< 0.1% by the weight (1000ppm)
10. Diisobutyl phthalate (DIBP)	< 0.1% by the weight (1000ppm)

To the best of our knowledge, none of these materials are being generated/used during production. Since we do not expect these materials to be present, we do not specifically run any analysis on our raw materials or end product to measure for these materials.

As for the supplier of the raw material, we cannot make any statement with regard to the blended or mixed components made from this material since this may be process dependent

Yours sincerely;
For PETRONAS Chemicals Group Berhad

Ahmad Azuddin Bin Mohd Zaid

Head– Product Regulatory & Stewardship
Innovation and Technology Department

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