



Product Stewardship

PETRONAS Chemicals Group Berhad (PCG)

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PETRONAS Group adopts zero tolerance against all forms of bribery and corruption. As an employee, it is incumbent upon each and everyone of us to internalise and abide by the PETRONAS Code of Conduct and Business Ethics (CoBE) & Anti-Bribery and Corruption (ABC) Manual while remain guided by our shared values of loyalty, integrity, professionalism and cohesiveness.

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Product Risk Assessment

PCG conducts Product Risk Assessment (PRA) in accordance to the methodology prescribed by the International Council of Chemical Associations (ICCA). PRAs are intended to provide relevant information of hazards and risks of chemical products being developed and the adequacy of risk mitigation measures proposed.

To date, PCG has completed detailed risk assessment for 100% of all prioritized risk products (Priority 1, Priority 2 and Priority 3). Per ICCA guidelines, detailed risk assessments are not applicable for Priority 4 products.

In conducting product risk assessment, all products are subjected to a preliminary risk assessment approach to categorize their risk priority based on the hazards and exposure to human health and the environment based on risk criteria described in PETRONAS Technical Standards (PTS) on Chemical Management. Based on the products hazard and exposure category, each product will be assigned with a risk rating calculated as follows:

Priority 1 (P1) – Very high risk

Priority 2 (P2) – High risk

Priority 3 (P3) – Medium risk

Priority 4 (P4) – Low risk

Product Risk Assessment

Detailed risk assessments are conducted for products with risk priority P1, P2 and P3 using ECETOC's Targeted Risk Assessment (TRA) tool, which calculates the risk of exposure from chemicals to workers, consumers and the environment. The ECETOC's TRA tool is the preferred approach by European Commission's Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) for evaluating consumer and worker health risks (<https://www.ecetoc.org/tools/tra-main/>).

Global Product Strategy (GPS) safety summaries are developed for products that have completed detail risk assessments to facilitate accurate and transparent communication of their risk and safety precautions to key stakeholders. These GPS safety summaries are published in the public domain at ICCA portal and PETRONAS SDS portal (<https://sds.petronas.com.my/>)

Product Risk Assessment

The flow for Product risk assessment at PCG is summarized as below.

