

Data Requirements of New Chemical Notification under TCCA

Items	Simplified Notification	Semi-full Notification (< 1T/y)	Full Notification (>1T/y)
1. General	a. Chemical identity: Chemical Name, CAS No. Structure; b. Purity; c. Import country (from), Estimated annual manufacture (import) volume; d. Main use and function of new chemical substance, Content (%) in product; e. Information on potential importer/user		
2. Physico-chemical properties	a. Appearance, Melting Point/Boiling Point, Vapor pressure, Water Solubility, Solubility in organic solvents etc; b. Octanol-water partition coefficient- can be omitted for:(1)chemical with water solubility \geq 100mg/L; (2)polymers.		
3. Environmental release information	a. Expected release amount to environment and major release route (air, water, soil); b. Information of daily use and average working day, etc.		
4. Toxicological information			
Acute toxicity	√	√	√
Genotoxicity tests Ames test	√	√	√
In vitro chromosomal test		√	√
Biodegradability		√	√
Acute fish toxicity			√
Acute Daphnid toxicity			√
Acute Algae toxicity			√
Skin irritation			√
Eye irritation			√
Skin sensitization			√

In the course of review, further data can be required depending on the assessment result of submitted data. For example, the NIER shall request the submission of the micronucleous data or other relevant mutagenicity data if one or both are positive in the Ames and in vitro cytogenetic assay.

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