EUROPEAN COMMISSION
JOINT RESEARCH CENTRE
Institute for Health and Consumer Protection
Toxicology and Chemical Substances Unit

HEEG Opinion 4

Agreed in TM II 08

HEEG opinion
Amendment of TNsG on Human exposure to biocidal products
Antifouling painting model

Following a consultation from SE, the Human Exposure Expert Group has discussed on the information provided in the TNsG on Human exposure to biocidal products for the scenario *Non-professionals brushing and roller painting antifouling paint on underside of small boats* (Consumer product painting model 4). The source paper (*Ann. Occup. Hyg., Vol.44, No.6, pp. 421-426, 2000; Garrod, Guiver, Rimmer*) was analyzed. Particularly, the indicative value for body exposure was re-calculated.

The outcome is that the information provided in the TNsG version 2 (2007) page 63 and TNsG User guidance (2002) need to be amended as following (crossed or underlined text). Contradictory information from TNsG (2002) part 2 p.203 must not be used.

Non-professionals brushing and roller painting antifouling paint on underside of small boats, outdoor (direct from can or paint tray). Hand exposure is actual exposure inside gloves or on gloves. <u>These generic indicative values are for in-use product (i.e. antifouling paint) and are based on antifouling paints of densities ranging from 1.25 to 2 g/ml</u> *Ann. Occup. Hyg. 44: 421-426 (2000); ACP – SC 11000 – Consumer exposure to non-agricultural pesticide products* *Consumer product painting model 4 TNsGpart2, p203*	Brushing and roller	Gloved hands <u>(potential)</u> 76.6 mg/min Protected hands <u>(actual)</u> 18.5 mg/min Body ~~50.8~~ <u>30.7</u> mg/min Inhalation 0.05 mg/m^3	Uncertainty for hand exposures is *high.* Indicative exposure is highest value out of 9 data for protected hands and out of 2 data for gloved hands. Uncertainty for body and inhalation exposures is *moderate.* 90% C.I. for 75th: 28-91 (body), 0.035-0.07 (inhalation).

Rapporteurs are asked to use the corrected data in their coming assessments.