

Helsinki, 16 November 2022 RAC/63/2022/02

63RD MEETING OF THE COMMITTEE FOR RISK ASSESSMENT

Concerns: Report from the November Restriction WG

Agenda Point: 9.1.1.

Action requested: For information



RAC WG/REST/R/7/2022 9 November 2022 RAC/63/2022/02

Report of the Meeting of the Committee for Risk Assessment Restrictions Working Group (RAC REST WG) reporting to RAC-62

> ECHA Conference Centre (Telakkakatu 6, Helsinki) via Webex

Tuesday 8 November 2022 at 14.00 to Wednesday 9 November 2022 at 17.30

Summary Record of the Proceedings

1. Welcome and apologies

The Chair of RAC, Tim Bowmer, welcomed the participants of the 7th meeting of the RAC Working Group on restrictions. He noted that Mercedes Marquez-Camacho, Christiaan Logtmeijer and Peter Simpson would chair sections of the meeting and informed the group that consultations had been organised on the three restriction agenda items prior to the meeting; the fourth item (PFASs in firefighting foams) was for information only.

2. Adoption of the Agenda

The Chair reviewed the agenda for the meeting (RAC WG/REST/7/2022), which was adopted with minor amendments and is attached to this Report as Annex I.

3. Declarations of conflicts of interests to the Agenda

The Chair requested all participants to declare any potential conflicts of interest to any of the agenda items. One participant of the meeting declared a potential conflict of interest on cases scheduled for the discussion as presented in Annex III to this



Report. The four WG Chairs, all declared that they had no potential interests related to any of the agenda points for the meeting.

4. Restriction proposals

1. Per- and polyfluoroalkyl substances (PFASs) in firefighting foams –				
status update The WG Chair Mercedes Marquez-Camacho welcomed the Dossier Submitter's representatives from ECHA and their invited experts. The WG Chair also welcomed the regular stakeholders from CropLife Europe and Cefic including their accompanying experts. She also welcomed the occasional stakeholder from Eurofeu. She informed the participants that the restriction dossier had been submitted in January 2022 and concerns PFASs in firefighting foams.				
The Working Group discussed the	No discussion or report back is expected			
rapporteurs' assessment of the	at RAC-63.			
comments received in the				
 consultation on the Annex XV report, focusing on the following items: Persistence of PFASs Pollution hot spots at firefighting training sites Feasibility of meeting the concentration limit value in contaminated equipment Potential emissions related to the concentration limit value proposed Portable fire extinguishers PFAS-foam management plans Climate impact of fire water incineration 	 SECR to table the 3rd draft opinion for discussion at RAC-64 REST WG in February 2023. Rapporteurs to take the WG discussions into account for the next version of the opinion by January 2023 prior to the February RAC-64 Restriction Working Group. The RAC opinion deadline has been extended until March 2023 due to the significance of the third-party comments on the Annex XV report received. 			

The occasional stakeholder observer from Eurofeu commented on exposure assessment assumptions, portable fire extinguishers, foam management plans and analytical methods. The Dossier Submitter provided clarifications regarding the comments received during the consultation, waste disposal issues and analytical methods.

2. DMAC/NEP – second draft opinion

The RAC Chair Tim Bowmer welcomed the Dossier Submitter's representative from the Netherlands. He also welcomed the regular CEFIC stakeholder, and the occasional stakeholder from the European Man-Made Fibres Association (CIRFS), including their accompanying experts. The chair informed the participants that the restriction dossier had been submitted in April 2022 and concerns occupational exposure to DMAC and NEP and proposed harmonised worker DNELs.

No further discussion recommended	RAC m	embers	to	provide		the
	remaining	written	com	ments c	n	the



<i>The WG discussed and recommended that the following could be agreed without further discussion at RAC-63:</i>	second draft opinion by 11 November 2022 via the written commenting round.
<u>Hazard:</u> - DMAC: Systemic long-term dermal DNEL of 1.8 mg/kg bw/day based on a developmental toxicity study in rats that resulted in the lowest DNEL.	Rapporteurs to prepare a short presentation to RAC-63 to report the recommendations of the group, in particular in relation to the DNELs. Rapporteurs to take the WG
- DMAC: Biomarker DNEL of 15 mg NMAC/g creatinine, corresponding approximately to 20 mg NMAC/L urine with sampling post-shift at the end of the work week.	discussions (and outcome of RAC-63 and the consultation on the Annex XV report) into account for the next version of the opinion by January 2023 prior to the February RAC-64 Working Group on restrictions.
- NEP: Local acute inhalation DNEL (4.6 mg/m ³) is not supported by the available data and therefore not proposed. The foreseen long-term Inhalation DNEL of 4 mg/m ³ also	Secretariat to table this item for discussion at RAC-63 in November/December and RAC-64 REST WG in February 2023.
 protects from local nasal effects. NEP: Biomarker DNEL of 20 mg 5- HNEP+2-HESI/L urine with sampling 	Secretariat to consider updating the existing guidance on the NMP restriction for DMAC and NEP.
pre-shift the day following exposure and at the end of the working week confirmed; additional values for 5-HNEP (10 mg/L = 7 mg/g creatinine; sampled post-shift, especially in case of inhalation exposure) and 2-HESI (8 mg/L = 6 mg/g creatinine sampled next morning).	Stakeholders are invited to provide additional exposure information, including contextual information (or contextual information for exposure data submitted in the Annex XV report consultation) for measurements and number of workplaces using DMAC and NEP in the Annex XV consultation.
Exposure: - Exposure estimates (tier 1 modelling) presented by the DS can be used as a conservative basis for the risk characterisation.	
- The measured data already provided for some uses is missing (some) contextual information and their representativeness for all uses is uncertain. Further monitoring data and/or further contextual information might still be received during the	
consultation on the Annex XV report and could still be considered.	



Risk Characterisation:

- DNELs for workers are justified.

- Risks for workers cannot be excluded for all uses and are not sufficiently controlled. This can be concluded despite the underlying uncertainties in the exposure assessment.

- The uncertainties lead to conservatism in the risk characterisation.

- For some uses RMMs and OCs seem insufficient to control the risks as RCRs are above 1.

Existing RMMs and OCs:

- It is not possible to evaluate the existing OCs and RMMs as they are diverse and use-specific and data is mainly lacking.

- For some uses RMMs and OCs seem insufficient to control the risk as RCRs are above 1.

Action required at an EU-wide basis

- Action at EU level is needed to ensure the same protection across the EU.

Risks of alternatives

- As the intention of the restriction is to limit workplace exposure rather than require substitution, no further detailed analysis on the risks of alternatives is needed.

Other regulatory RMOs

- Some arguments favour a restriction over setting a binding OEL under CMDR (similar restrictions for aprotic solvents already apply for which guidance has been developed).

Further work required

The WG recommended that the rapporteurs continue their work on these elements and present the next version of the opinion at the RAC-64 REST WG:



- Further monitoring data and contextual information to be reviewed if received as part of the consultation on the Annex XV report.

- Uncertainties, effectiveness, practicality and monitorability of the proposed restriction options.

The occasional stakeholder observer from CIRFS and their expert commented on the hazard assessment, exposure assessment, risk characterisation and justification for action required on a Union-wide basis. The Dossier Submitter provided clarifications regarding the hazard assessment. The expert accompanying the regular stakeholder observer from CEFIC commented on the hazard assessment and exposure assessment.

3. Terphenyl, hydrogenated – second draft opinion

The WG Chair Peter Simpson welcomed the Dossier Submitter's representatives from Italy and the regular stakeholders.

The participants were informed that the restriction dossier had been submitted in April 2022 by Italy and concerns terphenyl, hydrogenated.

No further discussion recommended	RAC members to provide the remaining written comments on the second draft opinion by 11 November 2022.
The WG discussed and recommended that the following could be agreed without further discussion at RAC-63:	Rapporteurs to prepare a short presentation to RAC-63 to report back and to address the topics for plenary.
 The group does not support the assumption of the DS that the emissions for the uses of terphenyl, hydrogenated are realistically covered by the proposed assessment. The group agreed that, in line with REACH Annex I, based on the vPvB properties of the substance a quantitative risk characterisation is not appropriate and the emission estimates should be used as a proxy for risk. The group agreed that despite of the uncertainties in the emission estimates, releases and exposures from current uses take 	 Rapporteurs to take the WG discussions (and outcome of the third-party consultation) into account for the next version of the opinion by January 2023 prior to the RAC-64 Working Group on restrictions. Dossier submitter is requested to provide information on the following aspects: Approach used to estimate emissions – redistribution in STP Clarification for the use of the fate properties: Are they used for release estimations or for PEC



place and there is hence a risk to address.

- The WG agreed that the current **operational conditions and risk management measures** are not effective to control the risks from terphenyl, hydrogenated.
- The WG agreed that there is an EUwide risk that needs to be addressed.

Additional discussion recommended

The WG discussed and recommended that RAC-63 further discuss the following:

 based on the uncertainty of the quantitative data on emissions, and whilst it was agreed that there is a risk to be addressed, that a qualitative approach to the evaluation could be explored.

Further work required

The WG recommended that rapporteurs continue their work on the following elements and present the next version of the opinion at RAC-64 REST WG:

The RAC WG had an initial discussion on effectiveness of the restriction and noted several important uncertainties related to the assessment of emissions and exposure.

- A further evaluation of the most appropriate regulatory risk management option would be needed.
- It was noted that alternatives appear to be available, but that many of them may pose hazards similar to terphenyl, hydrogenated. RAC's analysis is limited to the alternatives explored by the DS but further

- Provide guidance on SCC as part of the BD update
- Justification for the tonnage used of one site for the HTF scenarios
- Justification that HTF is not formulated in the EU
- Assessment of the HTF in articles use scenario

Secretariat to table this item for discussion at RAC-63 and RAC-64 WG in January/February 2023 and to provide contextual information on SCIP data to the members.



alternatives may exist, in particular for plasticisers.

The expert accompanying CEFIC intervened and provided contextual information on the monitoring campaign and the alternatives for the HTF use.

4. Chloroalkanes, C14-C17 (MCCP) – first draft opinion

The WG Chair Christiaan Logtmeijer welcomed the Dossier Submitter's representatives from ECHA and the regular stakeholders, including the accompanying expert to the regular CEFIC stakeholder.

The participants were informed that the restriction dossier had been submitted in July 2022 and concerns the manufacture, use and placing on the market of substances, mixtures and articles containing medium-chain chlorinated paraffins (MCCP) as well as other substances that contain chloroalkanes with carbon chain lengths within the range from C14 to C17 with PBT- and/or vPvB-properties.



similarities based on case-bycase assessment.

Evaluation of emissions

- The methodology and assumptions for the emissions assessment are well described and reasonable.
- The estimated emissions are plausible.

Existing OCs and RMMs

 Based on the wide dispersive nature of the uses, and the estimated releases during the whole life cycle (manufacture, use and waste stage), the currently recommended and implemented operational conditions (OCs) and risk management measures (RMMs) are not sufficient and effective to control the risk.

Risk characterisation

- Releases of PBT, and/or vPvB congeners can be used as proxy for risk.
- As supported by the case-bycase approach, the congeners concluded by the MSC as vP ('other vP congeners'), substances containing CA:C14-17 should be treated as nonthreshold substances for the purpose of risk assessment in a similar manner to PBT/vPvB substances.
- As the current uses cause releases, there is a risk that needs to be addressed at the EU level.

Further work required

The WG recommended that rapporteurs continue their work on these elements



and present the next version of the opinion at RAC-64 REST WG:

- Conclude evaluation that action is required on an EU-wide basis
- Initial evaluation of the risks of alternatives
- Initial evaluation that the proposed restriction is the most appropriate EU-wide measure (effectiveness, other RMOs, practicality and monitorability)

The expert accompanying the regular CEFIC stakeholder observer commented on the presence of CA:C14-C17 congeners present in commercial substances (including long-chain chloroalkanes) and articles, handling of substance and emission estimations and on the available study on the inherent biodegradability. The Commission observer asked for clarifications for the case-by-case assessment approach concluded by the DS.

5. REST horizontal issues

The Secretariat presented the capacity building presentation on designating substances, groups of substances and mixtures in a restriction. Furthermore, the recent changes on the template for the opinion development was presented to the participants.

6. Adoption of the report from the RAC REST working group

Before the Chair thanked the participants and closed the meeting, the WG adopted its report of the 7th Meeting.

LIST OF ANNEXES

- Annex I Final Agenda of the of the 7th Meeting of the Committee for Risk Assessment Working Group on Restrictions
- Annex II List of participants
- Annex III Declarations of potential conflicts of interest



Annex I

17 November 2022 RAC WG/A/REST63/2022 DRAFT

Final Agenda

Meeting of the Committee for Risk Assessment Restrictions Working Group (RAC REST WG) reporting to RAC-63

8-9 November 2022

WebEx meeting

8 November starts at 14.00 9 November ends at 17.30

Times are Helsinki times

Item 1 – Welcome and Apologies

Item 2 – Adoption of the Agenda

RAC WG/A/REST63/2022 For adoption

Item 3 – Declarations of conflicts of interest to the Agenda

Item 4 – Restriction proposals

- 1. PFASs in firefighting foams status update
- 2. DMAC/NEP second draft opinion
- 3. Terphenyl, hydrogenated second draft opinion
- 4. Chloroalkanes, C14-C17 first draft opinion

For discussion

Item 5 – Horizontal issues

Capacity building - Designating substances, groups of substances and mixtures in a restriction

Item 6 – Adoption of the Report from the WG

For discussion and agreement



Annex II

List of participants

RAC Members		
Surname	Name	
Angeli	Karine	
Deviller	Genevieve	
Docea	Anca	
Doak	Malcolm	
Facchin	Manuel	
Geoffroy	Laure	
Ginnity	Bridget	
Hakkert	Betty	
Ifthekhar	Mohammed	
Karadjova	Irina	
Leinonen	Riitta	
Losert	Annemarie	
Lund	Bert-Ove	
Moeller	Ruth	
Mohammed	Ifthekhar Ali	
Moldov	Raili	
Paris	Pietro	
Pribu	Mihaela	
Rakkestad	Kirsten Eline	
Rodriguez	Wendy	
Santonen	Tiina	
Schlüter	Urs	
Schulte	Agnes	
Schuur	Gerlienke	
Sørensen	Peter Hammer	
Tekpli	Nina	
Tobiassen	Lea Stine	
Tsitsimpikou	Christina	



RAC Members' advisers		
Surname	Name	Nominated by
Catone	Tiziana	Gabriele Aquilina
De Groot	Stan	Gerlienke Schuur
Dubois	Celine	Karine Angeli
Dumke	Carolin	Urs Schuelte
Hoffmann	Frauke	Agnes Schulte
Huuskonen	Pasi	Tiina Santonen
Marinkovic	Marino	Gerlienke Schuur
Moilanen	Marianne	Riitta Leinonen
Nielsen	Peter Juhl	Lea Stine Tobiassen
Rehrl	Anna-Lena	Facchin Manuel
Russo	Maria Teresa	Gabriele Aquilina
Seba	Julie	Wendy Rodriguez
Silvestri	Federico	Pietro Paris
Stalter	Daniel	Agnes Schulte

Invited experts			
Surname	Name	Substance	
Averbeck	Frauke	PFAS in firefighting foams	
Dannenberg	Carl	PFAS in firefighting foams	
Ivarsson	Jenny	PFAS in firefighting foams	
Ramsden	Niall	PFAS in firefighting foams	
Wiebke	Drost	PFAS in firefighting foams	
Winther	Toke	PFAS in firefighting foams	

SEAC Rapporteurs		
Surname Name Substance		Substance
Kiiski	Johanna	PFAS in firefighting foams



Dossier Submitters			
Surname	Name	Authority	Substance
Jongeneel	Rob	RIVM	DMAC/NEP
Castelli	Stefano	ISS	Terphenyl, hydrogenated
Catone	Tiziana	ISS	Terphenyl, hydrogenated
Alivernini	Silvia	ISS	Terphenyl, hydrogenated
Attias	Leonello	ISS	Terphenyl, hydrogenated
Orru	Maria Antonietta	ISS	Terphenyl, hydrogenated

Regular Stakeholder Observers		
Surname	Name	Organisation
Romano	Dolores	EEB
Janosi	Amaya	Cefic (replacing Liisi de Backer, as approved by the RAC chair)
Robin	Nicolas	PlasticsEurope
Ruelens	Paul	CropLife Europe

Occasional Stakeholder Observers			
Surname Name Organisation Substance			
Ballach	Jochen	CIRFS	DMAC/NEP
Hannebaum	Peter	EUROFEU	PFAS in firefighting foams



Stakeholder Experts					
Surname	Name	Nominated by	Substance		
Barber	David	CropLife	PFAs in firefighting foams		
Schnöder	Frank	CIRFS	DMAC/NEP		
Schrage	Arnhild	Cefic	DMAC/NEP		
Howick	Chris	Cefic	MCCP, choloroalkenens		
Schuller	Jan	Cefic	Terphenyl, hydrogenated		

European Commission			
Surname	Name		
Beekman	Martijn		
Bertato	Valentina		
Fabbri	Marco		
Schutte	Katrin		
Streck	Georg		

ECHA Staff		
Surname	Name	
Alami-Eerikinharju	Wafa	
Anagnostakis	Konstantinos	
Barnewitz	Greta	
Bin	Essi	
Bowmer	Tim, Chairman	
Demattio	Silvia	
Klausbruckner	Carmen	
Lazic	Nina	
Lefevre	Sandrine	
Lisboa	Patricia	
Logtmeijer	Christiaan, co-chair	
Marquez-Camacho	Mercedes, co-chair	



Nyman	Anna-Maija
Nygård	Daniel
Orispää	Katja
Peltola-Thies	Johanna, Deputy Chair
Peltola	Jukka
Reuter	Ulrike
Simpson	Peter, Co- chair
Sosnowski	Piotr
Thierry-Mieg	Morgane
van Haelst	Anniek
Zeiger	Bastian



ANNEX III

Declarations of potential conflicts of interest

The following participants, including those for whom the Chairman declared the interest on their behalf, declared potential conflicts of interest with the Agenda items (according to Art 9 (2) of RAC RoPs)

AP/Dossier / DS	RAC Member	Reason for potential CoI / Working for			
ALREADY DECLARED AT PREVIOUS RAC PLENARY MEETING(S)					
Restrictions					
DMAC/NEP	Gerlienke SCHUUR	Working for the CA submitting the dossier; asked to refrain from voting in the event of a vote on this substance - no other mitigation measures applied. No personal involvement			