Environmental Risk Assessment of Fragrance Material – RIFM Framework

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Ecological Risk Assessment involves the assessment of the risks posed by the presence of substances released to the environment



NA VoU (tpa)	%
>1000	0.6
100-1000	4.95
10-100	9.6
1-10	16.2
<1	68.2

Exact Exposure (Volume of Use) are survey every 4 years by International Fragrance Association (IFRA)



'%'

■ >1000 ■ 100-1000 ■ 10-100 ■ 1-10. ■ <1



Environmental Risk assessment of Fragrance materials is based on US EPA's paradigm for risk assessment of problem formulation, analysis (both exposure and effects characterization) and risk characterization



US EPA



RIFM Updated Framework Proof-of-Concept Screening Results





In conclusion ...

- A conservative but very realistic ERA can be conducted using available data and tools limiting the number of studies/animals needed to test
- Parameters can be updated as needed to reflect the most current exposure
- Can be extended to additional regions

http://FragranceMaterialSafetyResource.Elsevier.com

Thank you!

