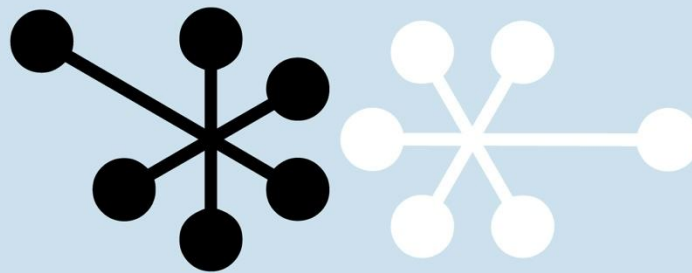
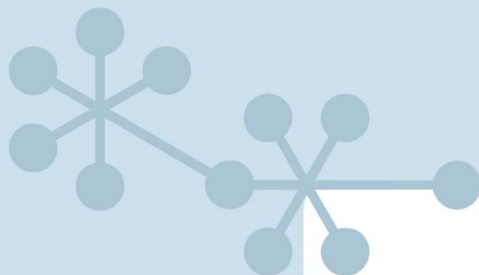


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LIFE / FIT FOR REACH



## Miks liituda projektiga LIFE Fit for REACH?

Karin Viipsi  
Henkel Balti OÜ (Henkel Makroflex AS)

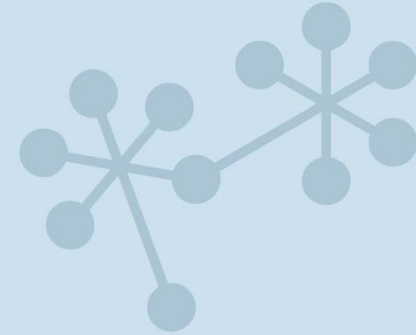
Infopäev ettevõtetele, 09.11.2016



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## Sisukord

- Ettevõtte tutvustus
- Ettevõtte eesmärk projektis
- Mida on varasemalt tehtud?
- Mis on plaanis projekti raames teha?
- Miks osaleda?

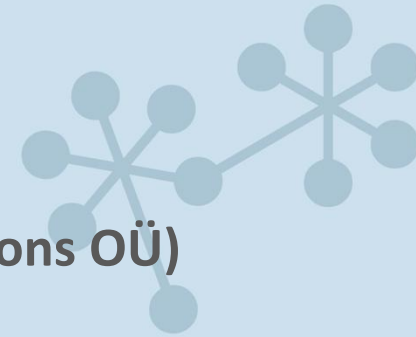


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## Henkel Makroflex AS (Henkel Balti Operations OÜ)

### Plant Picture



### Key Facts

Products:	PU Foams, sealants
Headcount:	90
Size:	Production and warehouse: 15 000 m <sup>2</sup> Land: 29 856 m <sup>2</sup>
Management System:	ISO 9001, ISO 14001, OHSAS 18001
Foundation:	Start of production in Pärnu: 1989

### Location in Europe



### Key Products

**Ceresit**

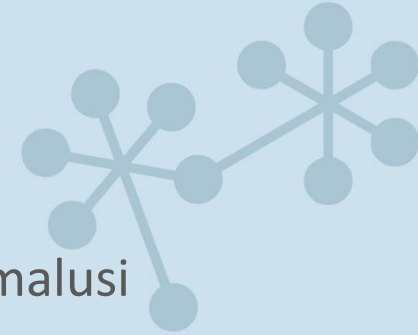
**Rubson**



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## Eesmärk

- Hinnata ja testida ohtlike kemikaalide asendamise võimalusi
- Vähendada jäätmeid (sh kemikaalijäätmeid)
- Ressursside efektiivsem kasutamine

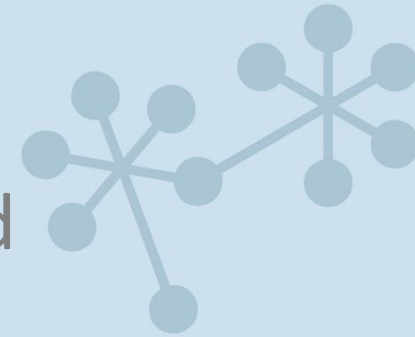
## Projekti toetus

- Võimalus omandada uusi oskusi ja teadmisi, saada parem ülevaade ohtlikest komponentidest toorainetes, toodetes ja heitvees;
- Abi selgitamaks probleemkohti ohutuskaartide koostamisel;
- Ligipääsu kvalifitseeritud ekspertidele seoses ohtlike ainete asendamisega;
- Teabevahetus ettevõtete vahel leidmaks parimaid alternatiive ainetele ja materjalidele;
- Uuenduslike alternatiivide testimine ja väikesemahuliste investeeringute kaasrahastamine;
- Konsultatsioon ja investeerimistoetuse taotluse ettevalmistamine;
- BEF abi asjaajamisel ja dokumentatsiooni vormistamisel



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## Varasemad tegevused



### 1,1-difluoroetaan

**HFC 152a**



### 1K-Polüuretaanvahud:



<25%  
vaba  
MDI

<1%  
vaba  
MDI



### MDI

(Diphenylmethane diisocyanate)



H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure



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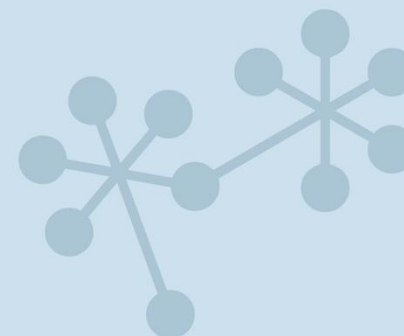
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**LEGAL BACKGROUND:**

- § From December 2010 all PU-Foams sold in EU with monomeric MDI content above 1% must be additionally labeled with R40 (H351).
- § In addition, in Germany and France, R40 (H351) labeled PU-Foams must NOT be sold from self service shelves in DIY markets (but stored in locked cabinets and sold only by especially trained sales personnel).
- § Products containing more than 0,1% isocyanate must be sold with safety gloves when bought by private individuals.

**CURRENT CLASSIFICATION:**

<p><b>&lt;25% free MDI</b></p>  <p>NB! Gloves</p> <p><b>Danger</b></p> <p>Contains: diphenylmethane diisocyanate, isomers and homologues</p> <p><b>Hazard statement:</b></p> <p>H222 Extremely flammable aerosol.          H229 Pressurised container: May burst if heated.          H315 Causes skin irritation.          H317 May cause an allergic skin reaction.          H319 Causes serious eye irritation.          H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.          H335 May cause respiratory irritation.          H351 Suspected of causing cancer.          H373 May cause damage to organs through prolonged or repeated exposure.</p>	<p><b>&lt;1% free MDI</b></p>  <p>NB! Gloves</p> <p><b>Danger</b></p> <p>Contains: diphenylmethane diisocyanate and isomers</p> <p><b>Hazard statement:</b></p> <p>H222 Extremely flammable aerosol.          H229 Pressurised container: May burst if heated.          H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p>	<p><b>&lt;0,1% free MDI</b></p>  <p>NB! No gloves</p> <p><b>Danger</b></p> <p>Contains: diphenylmethane diisocyanate and isomers</p> <p><b>Hazard statement:</b></p> <p>H222 Extremely flammable aerosol.          H229 Pressurised container: May burst if heated.</p>
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## Tegevused projekti raames

- Ressursside tõhusam kasutamine/jäätmete vähendamine- leida võimalusi polüoolsegude, MDI ja polüuretaanvahu jäätmete vähendamisele/taaskasutamisele;
- Uute kvaliteedikontrollimeetmete rakendamine;
- Leida alternatiiv puhastusvahendile **metüleenkloriid** (CAS 75-09-2, REACH 01-2119480404-41-0001/01-2119480427-33-0000)

Rasket silmade kahjustust/ärritust põhjustav	Kategooria 2	H319	Põhjustab tugevat silmade ärritust.
Nahka söövitav/ärritav	Kategooria 2	H315	Põhjustab nahaärritust.
Kantserogeensus	Kategooria 2	H351	Arvatavasti põhjustabvähktõbe.
Mürgisus sihtelundi suhtes - ühekordne kokkupuude (Hingamisteede ärritaja.) (Sissehingamine)	Kategooria 3	H335	Võib põhjustada hingamisteede ärritust.
Mürgisus sihtelundi suhtes - korduv kokkupuude (Oraalne) (Sissehingamine)	Kategooria 2	H373	Pikaajalisel või korduval kokkupuutel võib kahjustada elundeid.
Mürgisus sihtelundi suhtes - ühekordne kokkupuude (Joovastava toimega.) (Sissehingamine)	Kategooria 3	H336	Võib põhjustada unisust või peapööritust.

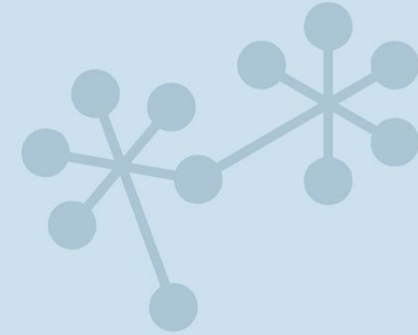


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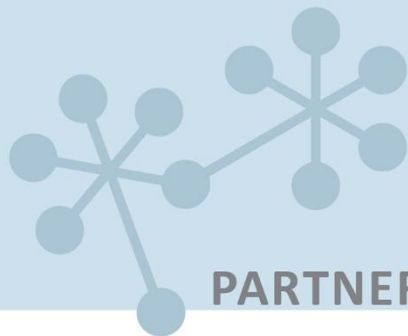




## Miks osaleda?

- Teadlikkuse tõstmine;
- Tootmisprotsessi jälgimine/tõhustamine;
- Keskendumine uutele külgedele;
- Kemikaalide/komponentide analüüs;
- Innovaatiliste lahenduste leidmine;
- Konsultatsioon kvalifitseeritud ekspertidelt;
- Keskkonnasäästlikkus;
- Tooteohutus, märgistus;
- Konsultatsioon, taotluste ettevalmistamine;
- Lisaressurss laboritestideks;
- Kulude kokkuhoid (sh jäätmetelt).





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## PARTNERS



TERVISEAMET



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