



Application for Authorisation

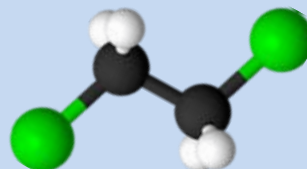
**Stock-taking Conference on the Implementation of
REACH Authorisation**

13-14 November 2017 at ECHA, Helsinki



excellence – made possible

We can do it alone – The application process of a small enterprise



What is *emp* Biotech?



**Corporate Headquarters
at Science Campus in Berlin-Buch**

**Manufacturing site
in Berlin-Tempelhof**

Privately held chemical company

- established in 1993
- 33 employees
- <3 Mio EUR in sales
- ISO 9001:2008 accredited manufacturer
- ASiG system for work and health safety



Bio and fine chemicals

- Fluorophores and redoxmarkers
- Protein labeling kits
- Transfection reagents
- Haptens, moisture trap and buffers



Contract synthesis and research

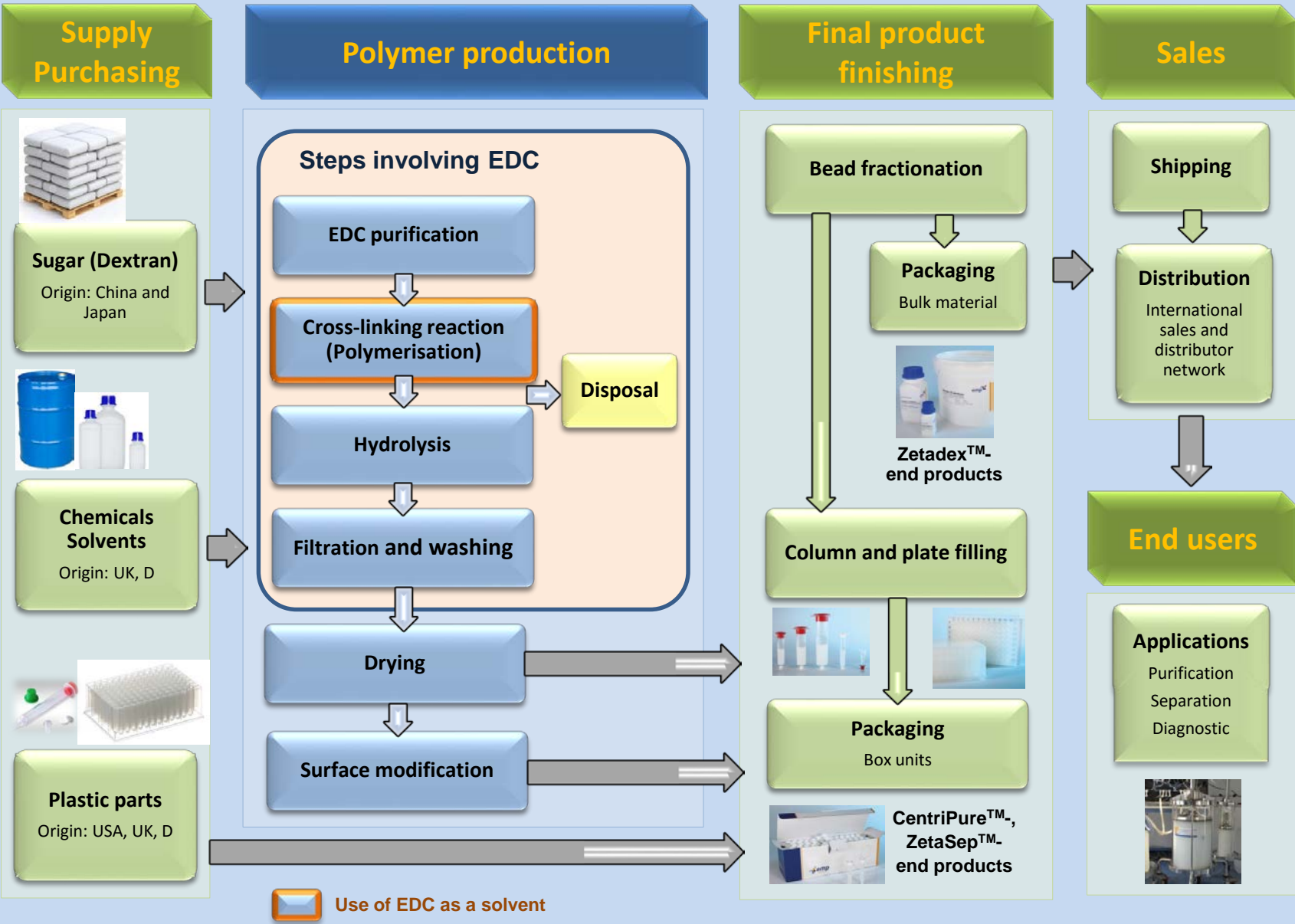
Synthesis reagents for automated oligonucleotide syntheses

Biochromatography – at any scale

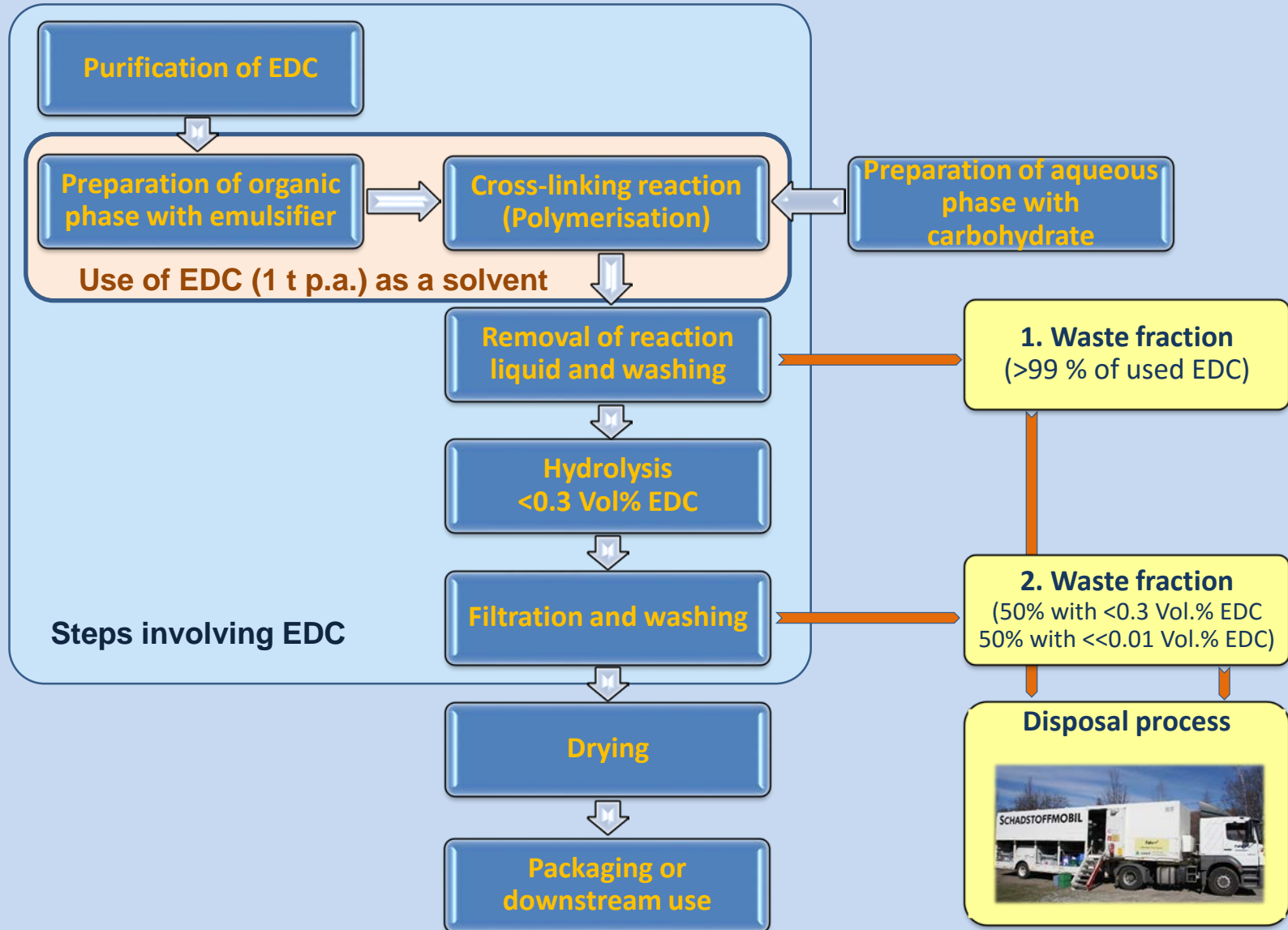
- Zetadex - Dextran based purification resins for size exclusion chromatography
- Ion Exchange resins
- Material for affinity chromatography



Zetadex production flow - EDC is used



Matrix manufacturing process – AfA required



AfA process initialisation

September 11th, 2015

Kick-off

Call of our supplier

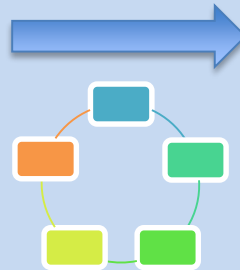


EDC is in Annex XIV of REACH

Entry No. 26

Problem

Need for authorisation



No REACH team!

Latest Application Date
22.05.2016

Motivation

Zetadex - Dextran based products accounted for 45% of total sales



High risk of bankruptcy!

2016



September / October 2015

Initial information procurement and training

Internet, ECHA, BG RCI



Need of consultation!

National Helpdesk (BauA Dortmund)

Personal Consultation (October 25th, 2015)



CSR, SEA, AoA



Search for external help

No efficient experiences or
too expensive (about 300,000 EUR from EDC consortium in Brussels)



We try to do it by ourselves!



November / December 2015

Data collection

By use of our own network

- Production team
- Service partner for analysis
- Financial consultant



Calculation and writing

- Official REACH guidelines are too complicated
- Some tools are too complicate and oriented to large industrial use only (e.g. ECOTOC TG spreadsheet)
- Most helpful tools: ECHA templates and similar published applications

PSIS at ECHA (March 16th, 2016)

Best thing we could do!



Helpful comments, hints, corrections.



Application for Authorisation on 02 May 2016!

Disadvantages and additional problems

- High financial cost for a SME
- Publication of relevant information for competitors (Market size, production volume, internal processes)
- Additional costs lead to higher product prices



SME fee: € 24.345
(turnover ≤ € 2 Mio)

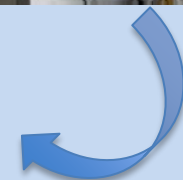
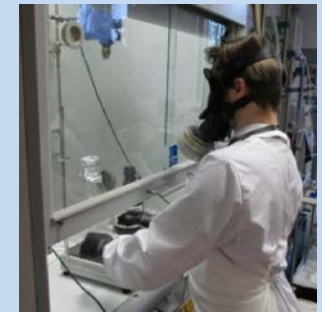
LIO fee: € 54.100
(turnover ≥ € 50 Mio)

New Challenges

- Research program for search of alternatives

Benefits

- Continuous control of EDC excess
- Improvement of the production process, incl. technical equipment
- Better protection of employees and environment by additional RMM's
- Increased awareness of management and employees to REACH



REACH – Regulates Every Activity of Chemists



Thank you !