

REACH impact on the Extrusion Coating value chain



REACH implementation

... turning a
mission impossible
into
mission accomplished

H. Camps
SABIC Europe
11 June 2008

Sharing our futures

Opening Statements

- ❑ REACH is a major effort, for both industry and authorities
Costs for industry estimated at € 3 – 5 billion over next 10 years
- ❑ REACH can only be successful if all parties act together and put commercial issues and other differences aside
- ❑ REACH will not be an isolated topic for Europe only, but it will effect global chemicals trade and influence legislation in e.g. USA and Asia





1. REACH introduction

2. REACH @ SABIC

3. REACH @ Extrusion Coating Industry



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Chemicals receive negative media attention

A collage of newspaper headlines on a blue background with a green bottom section. The central text reads: "Chemicals have the lowest reputation of all materials". Surrounding this are various headlines: "Shampoo: Could it damage your health? Everyday chemicals in the home", "Household chemicals in the home", "Expert's warning on lotion chemical", "Allergy peril in plastic toys and flooring", "Cleaning chemicals linked to asthma in young children", "Bleach can cause wheezing", and "THE SHOCK RISK IN OUR TOILETRIES".

Shampoo: Could it damage your health?
Everyday chemicals in the home

Household chemicals in the home

Expert's warning on lotion chemical
Exposure to a chemical found in many shampoos and hand soaps could be harmful to humans, particularly pregnant women, researchers say.

Allergy peril in plastic toys and flooring
CHEMICALS used in toys, flooring, shampoos and many household products may be to blame for Britain's allergy epidemic. Scientists believe that phthalates, which are used to soften plastic, make children more sensitive to allergens.

Chemicals have the lowest reputation of all materials

Cleaning chemicals linked to asthma in young children
These substances in household cleaning products were up to three times more likely to cause asthma, hay fever and eczema, researchers say.

Bleach can cause wheezing
BLEACH, paint stripper and carpet cleaners used in the home can cause wheezing and asthma in children, research suggests today.

THE SHOCK RISK IN OUR TOILETRIES
NEW RESEARCH WARNS OF THE DANGERS IN MANY PRODUCTS, SAYS PETA

REACH : the European chemicals legislation



According to the European Commission a new European chemicals legislation was needed



REACH

(Registration, Evaluation, Authorization of Chemical substances)

What is REACH ?



- ❑ A new EC regulation on existing and new chemicals on the EU market
- ❑ REACH is law from June 1 2007 onwards
- ❑ REACH has replaced about 40 EC regulations on chemicals
- ❑ All substances produced or imported above 1 ton/yr have to be registered : ± 30,000 chemicals
- ❑ The industry is responsible: ± 40.000 companies in the EU

What will REACH bring ?



- More **knowledge** on the risks of chemicals
- Proposals** how to deal with those risks (Safety Data Sheets)
- Ban or restriction in use** of very dangerous chemicals
- Phase-out** of some specialty chemicals that cannot carry the financial burden of REACH
- Eventually a **healthier world** for humans, and less environmental footprint ?!

REACH is not the same as ...

- Product Stewardship / Responsible Care
- Good Manufacturing Practice
- Corporate Social Responsibility
- Sustainability
- FDA or European Food Law
- ISO-9000



Summary



- ❑ REACH is **official legislation** in 27 EU countries from 2007 onwards
- ❑ REACH will create a **higher awareness** for the safe use of chemicals
- ❑ REACH is a tremendous **challenge** for the EU chemical industry
- ❑ Non-compliance with REACH legislation means:
 - **no business in Europe**
 - **potential law suits**
 - **heavy fines**
 - **removal from preferred vendor lists**
 - **loss of company image**

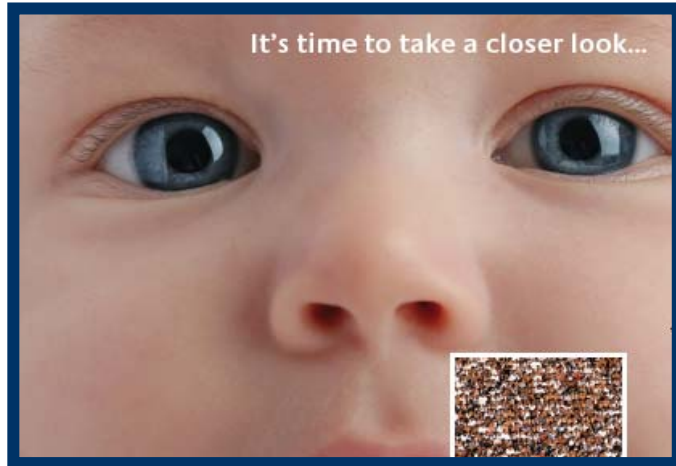
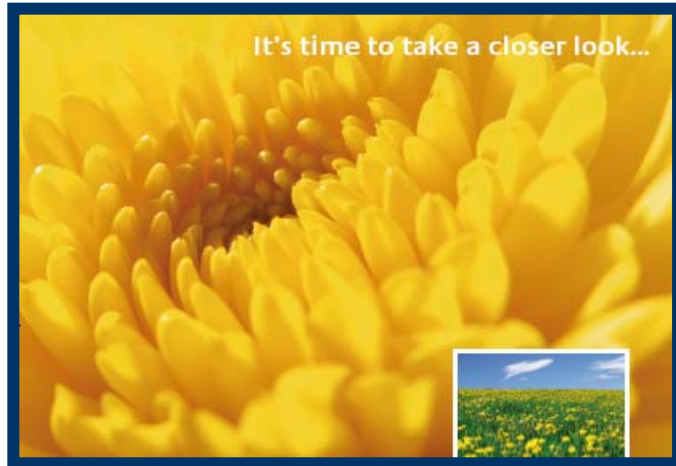


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CARING ... SHARING ... PREPARING

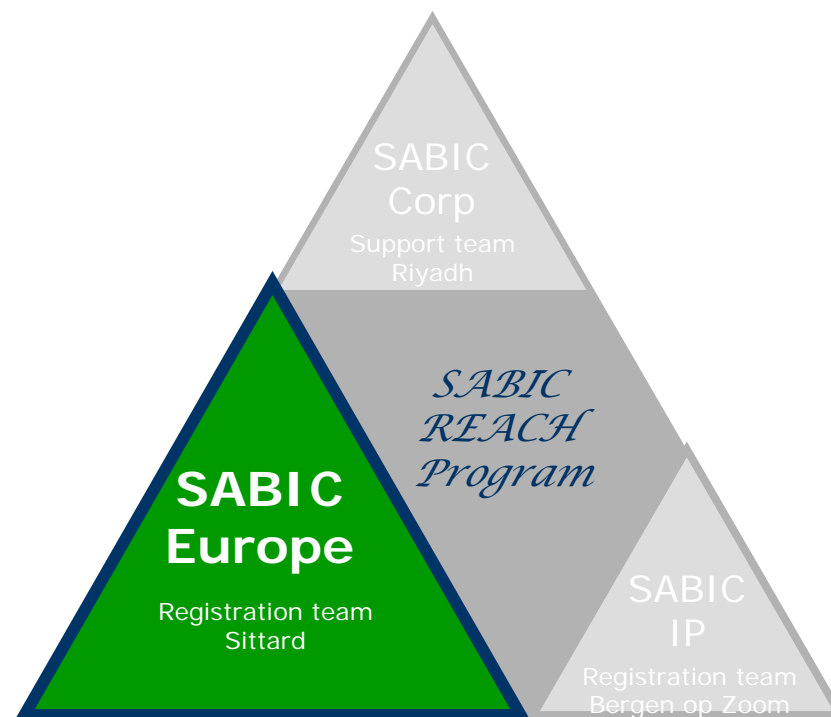


REACH : 1 corporate program for all SABIC entities



- **SABIC Europe** is responsible for registration of polyolefins, olefins and aromatics from EU assets, and polymers, basic chemicals, fertilisers, intermediates and specialty products from SABIC Corp assets (mainly Middle East)
- **SABIC Innovative Plastics** is responsible for registration of engineering plastics from worldwide assets
- **SABIC Corp** supports the REACH activities of SE and SIP by providing registration tactics, scoping, information and funding

Let's focus on the SABIC Europe program



SABIC & REACH: state-of-play



- Program Plans and Organisation in place
 - Strategy and Scope defined and approved
 - Substance list completed and approved
- First batch of substances pre-registered at ECHA

Submission Report - ND124418-47



Submission Report

Submission type: [Pre-registration](#)
Submission number: [ND124418-47](#)
Reference number: [05-2114086326-45-0000](#)
SubmissionDate: [06/06/2008](#)
Current state: [Succeeded](#)

Company information

Submitting legal entity: [SABIC Petrochemicals B.V.](#)

Substance information

Substance name: [ethane-1,2-diol](#)

Substance constituents

EC number	CAS number	Chemical name
203-473-3	107-21-1	ethane-1,2-diol

Tonnage information

Tonnage band: [Over 1000 tonnes/year](#)
Registration deadline: [30/11/2010](#)

SABIC & REACH: state-of-play



- ❑ Contract secured with world-class service provider in field of toxicology : TNO
- ❑ Communication plan in place and tools are operational
- ❑ Cooperation with industry partners through consortia, CEFIC and PlasticsEurope

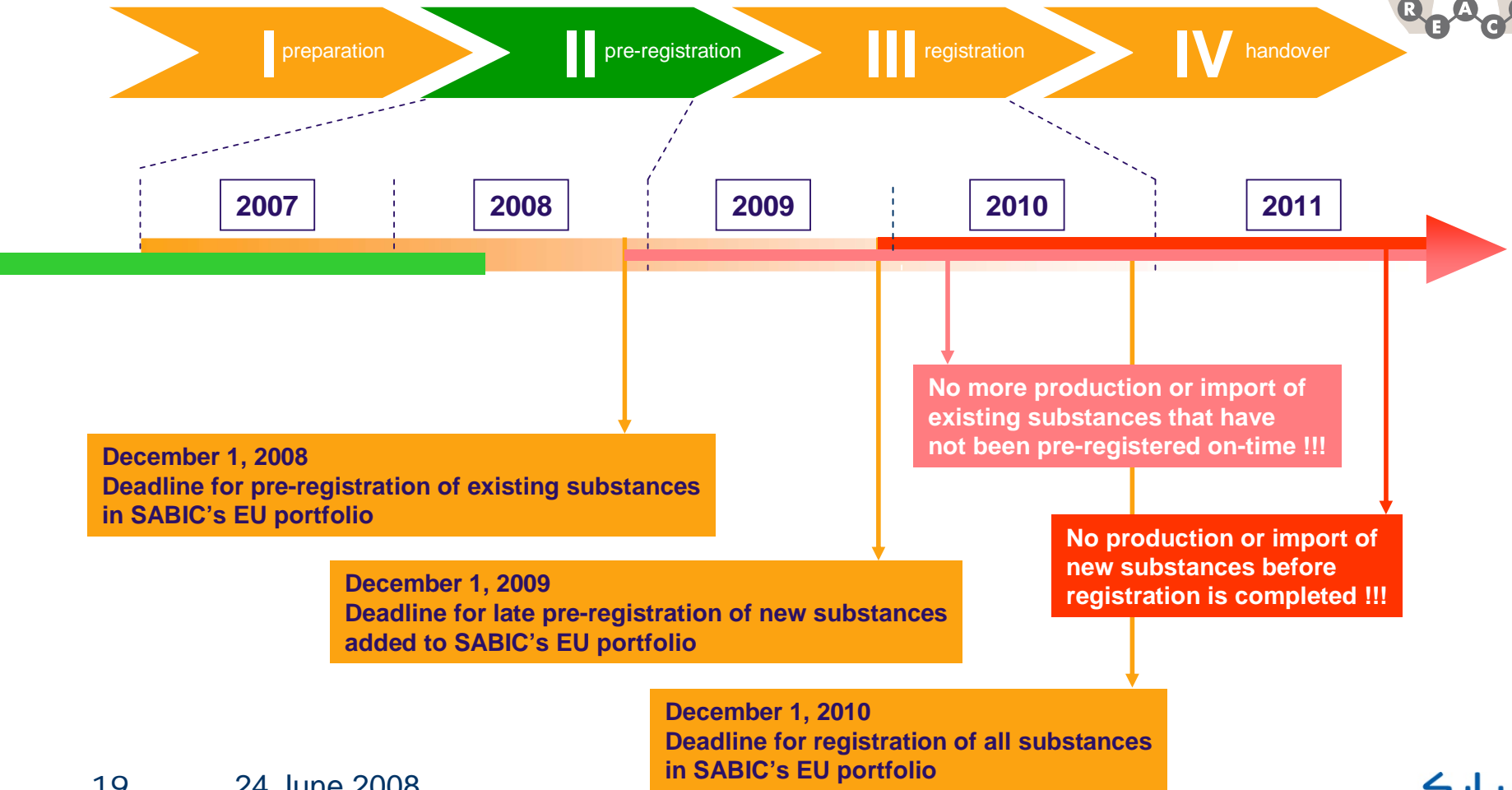
REACH is a business / strategy issue ... not a merely a SHE-topic

SABIC REACH Scope



- ❑ Pre-register 80+ substances before December 1st 2008
- ❑ Register 80+ substances before December 1st 2010
- ❑ Secure REACH compliancy at chemicals suppliers
- ❑ Program Planning : 2006 -2011
- ❑ Budget : € 13 million

REACH Program is well on track



Although polymers are exempted from REACH...

... SABIC still has REACH obligations for its European polymer business



- ❑ Registration of all monomers of imported polymers portfolio by 2010 (PE, PP, PVC, PS, PET)

- ❑ Secure that all polymer additives are REACH compliant :
 - check REACH intention at all suppliers
 - monitor REACH progress at strategic suppliers

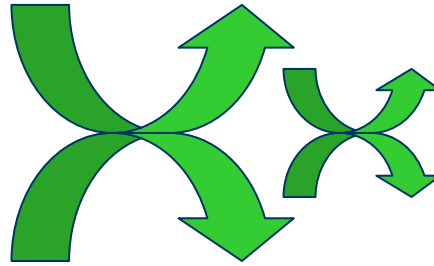
- ❑ Communication down the supply chain
... via PlasticsEurope and EuPC



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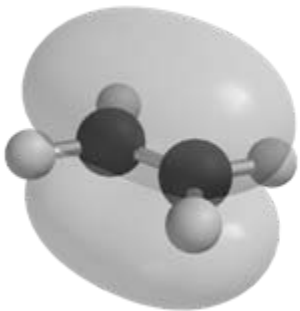
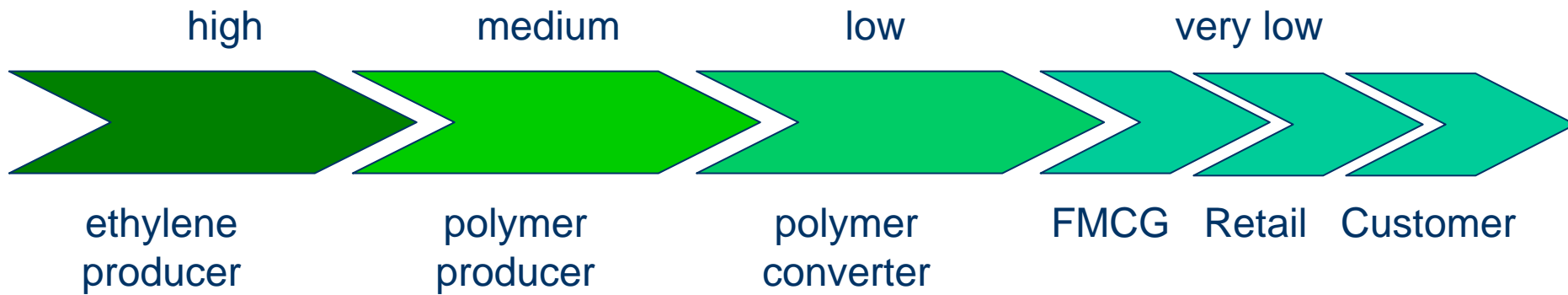
3. REACH @ Extrusion Coating Industry



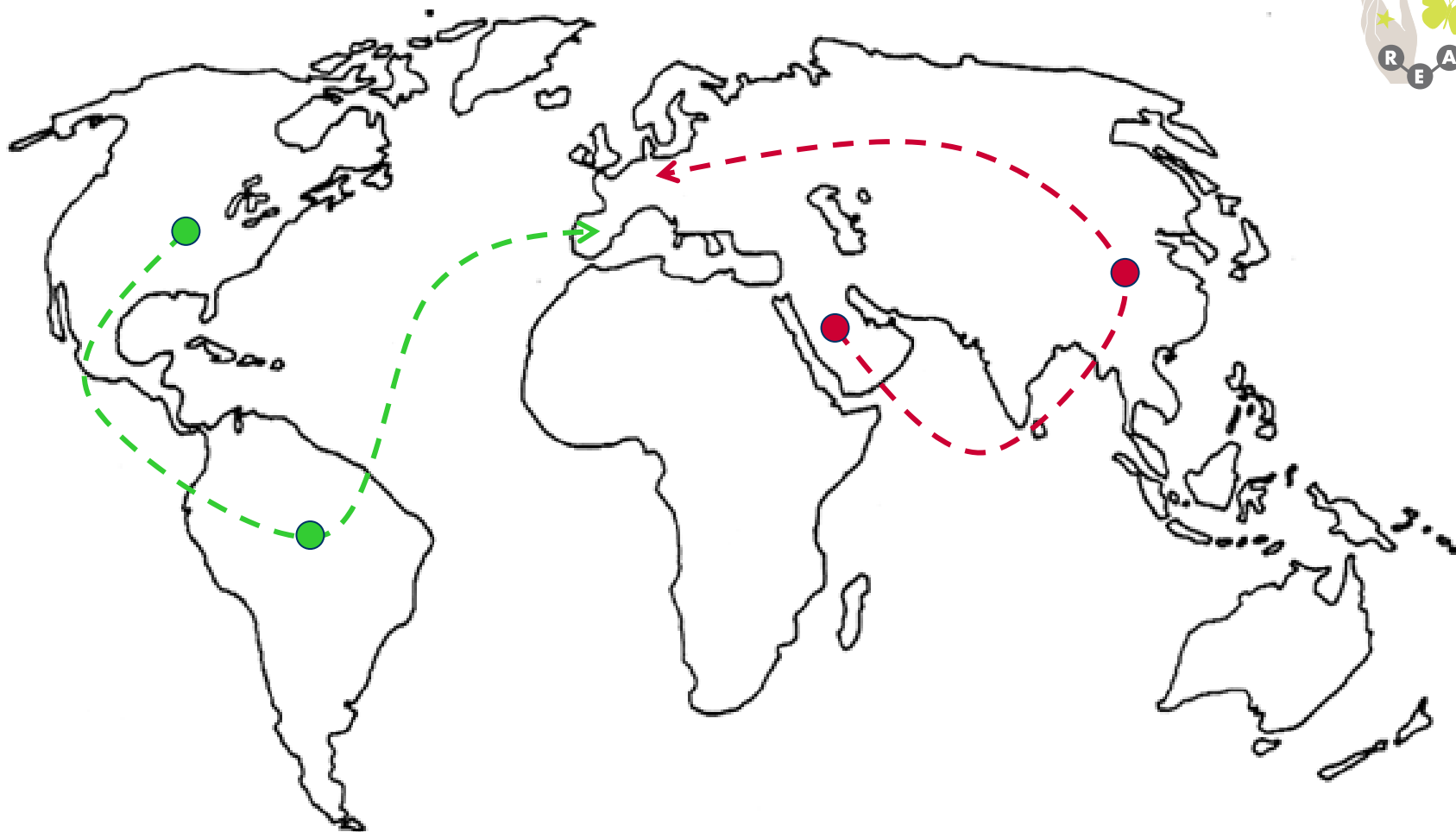
REACH Implications for the Extrusion Coating value chain



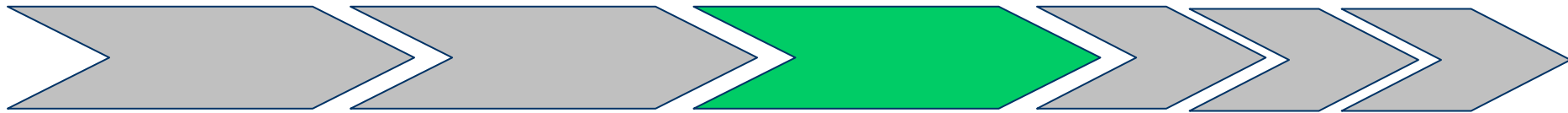
REACH obligations



Am I an importer or a downstream user under REACH ?



REACH implications for the Extrusion Coating industry



Extrusion
Coating
Industry

~~Company is a Producer
of Chemical Substances ?~~

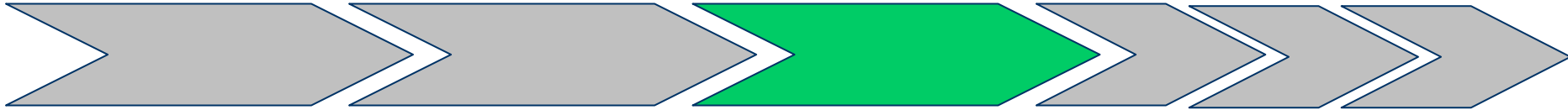


Company is a
Downstream User

~~Company is an Importer
of Chemical Substances,
Preparations or Polymers ?~~

import of
articles is
a special case

REACH obligations for Downstream Users



1. Secure that all raw materials are REACH compliant : ask your supplier
2. Provide information on exposure and use upon request
3. Check whether your use is covered in the CSR of your ingredients
4. Implement Risk Management Measures provided in Safety Data Sheets
5. Provide SDS to downstream users upon request

Conclusion : NO registration dossiers for your products,
only administrative requirements

What kind of questions can you expect ?

1. Give us the name of your REACH contact person !
2. Are you ready for REACH; show your commitment ?
3. What is the status of your REACH registration ?
4. Are your products REACH registered ?
5. Please log into our REACH website and answer all questions !
6. Is my application covered in the REACH dossiers ?
7. and many others



The SABIC REACH promise to the Extrusion Coating industry



1. **Secure REACH compliancy** of all polymers and compounds supplied by SABIC Europe and SABIC-IP, by ensuring that the substances used in these plastic materials will be registered on time for the identified use by our suppliers (or by SABIC)
2. **Insight** in the progress of our registration process through internet
3. **Provide** information on REACH status for specific grades : answer customer questionnaires
4. Willingness to **exchange best practices** and learnings

More information on SABIC website

Today, SABIC is among the leading petrochemical companies in terms of sales and product diversity.



OUR COMMITMENTS

- >> Policy statement
- >> Quality
- >> Safety
- >> Health
- >> Environment
- >> Publications
- >> **Our vision on REACH**
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>>> SABIC's vision on REACH

Chemicals are the cornerstone of our society. While we realize that chemicals are essential to our contemporary way of living, at the same time we have to take care to produce and use them in a safe way. As a responsible manufacturer and importer of chemicals, SABIC cares for the safety and health of people and the environment, and compliance with REACH is merely a logical step.

The past EU chemicals legislative framework, with which the European chemical industry had to comply, was a patchwork of many Directives and regulations. The new EU chemicals legislation, REACH, marks the beginning of a new era for chemical safety in the EU. REACH will encourage the industry to innovate and either to replace substances of very high concern by suitable alternative ones, or use them in a way in which risks are adequately controlled.

SABIC fully supports the REACH objectives, which entirely tally with [our QESH policy](#). It is our policy to minimize the risks associated with our production activities and products, and to continuously improve their safety, health, and environmental performance. SABIC will cooperate with co-producers, suppliers, and customers to achieve our REACH goals.

http://www.sabic-europe.com/our-commitments/reach/_en/index.htm

R QUESTIONS ?



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SABIC REACH Program Team



at your service !