

#### **REACH & ROGERS**

# EU – REACH Journey

Anita Jain Rogers Corporation May 6, 2009





### **■ 177** years as a company!

- 2008 Sales \$365 Million
- Global Operations China, USA, Europe
- Approx. 2000 employees worldwide
- Very diverse product offerings



#### Global Presence: Manufacturing

The world runs better with Rogers.®

#### EUROPE:

 (2) Ghent, Belgium

#### ASIA:

- (5) Suzhou, China
   Taipei, Taiwan (RCCT)
- Nagoya and Mie, Japan (RIC)

#### USA:

- ♦ Rogers, CT
- Woodstock, CT
- Carol Stream, IL
- ♦ (3)Chandler, AZ



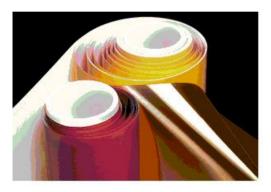
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#### Strategic Segments 产品战略

Printed Circuit Materials

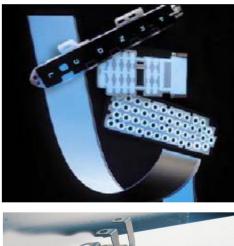
#### High Performance Foams







#### Custom Electrical Components





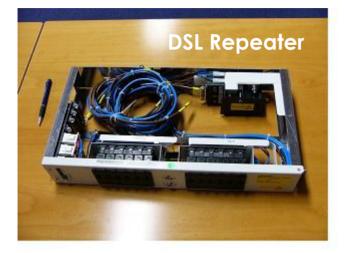


#### PORTABLE COMMUNICATIONS





#### **COMMUNICATION INFRASTRUCTURE**











#### CONSUMER



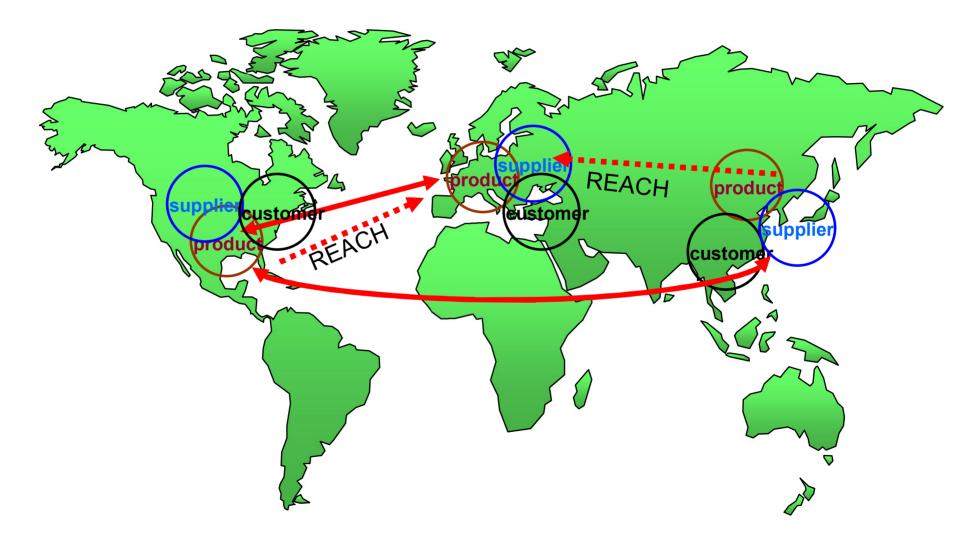


**Diverse Customer Base** 





#### **Supply Chain Routes**







#### Scope:

- All imported substances either on itself, in preparations or to be intentionally released from articles need to be (pre-)registered with European Chemical Agency.
- From Dec 1, 2008.
- If not => import is illegal.
- REACH gives priority to Substances of Very High Concern (SVHC) and large volume substances.





**Substances**: A chemical substance and its compounds in the natural state or obtained by any manufacturing process. For example: chemicals, metals, etc.

**Preparations**: A mixture of solution composed of two or more substances. The function is more determined by the chemical composition than by its shape, surface or the design. For example: Paints, Resins, Alloys, etc.

**Article:** An object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition.



#### **REACH JOURNEY**

- Who takes the ownership of REACH compliance responsibility?
  - EH&S, Product Managers, Supply Chain, R&D.
- Created a global REACH team with representation from US, China, and Europe.
- Provided basic training to all key personnel throughout the corporation.



- Determined import/export status of all raw materials and products.
- Identified who is importer on record: Rogers – Europe or a Distributor.
- Classified each imported material into Substance, Preparation or Article with no intended release.
- Calculated imported volume (tonnage) to E.U.
- Identified monomers of polymers.
- ➡ Finalized REACH pre-registration list.



#### **Product Analysis**

		Form. 1	Form. 2	Form 3	Form 4	Form 5	Tons
Substance A SVHC	110-00-0	1.55%	1.55%	1.55%	1.55%	1.55%	1 - 10
Substance B	111-00-0	10.66%	10.66%	10.66%	10.66%	10.66%	1 - 10
Substance C	112-00-0	20.77%	20.77%	20.77%	20.77%	20.77%	10 - 100
Substance D	Proprietary	30.88%	25.00%	26.00%	27.46%	28.57%	100 -1000
Substance E	Proprietary	20.99%	31.25%	32.19%	32.97%	34.01%	10 - 100
Substance F	113-00-0	17.00%	13.13%	20.21%	11.30%	10.23%	10 - 100



#### **REACH JOURNEY**

- How to protect intellectual property information?
  - Use Third Party or Only Representative?
- Negotiated lengthy contract with Only Representative.
- Establishing a long term relationship with OR due to registration deadlines until 2018.
- Annual cost of retaining OR services.



#### **REACH JOURNEY**

### ■ Not able to pre-register.

- Manufacturer won't provide info.
- No longer polymer (not on market prior to Jan. 6, 2008).
- New to the EU market, not on EINECS.
- Evaluated all products for SVHC.
- Prepared responses to customer inquiries.





#### Rogers is not planning to Register.

- Too \$\$\$.
- We don't have the right information and control over the materials we purchase.
- For every substance, we have to find a solution to have our imported volumes covered by a registration.
  - Needs to be in place at the latest by the registration deadline (2010, 2013, 2018).
  - No solution means no import in EU.
- We also have to make sure that our "use" is covered by the registration.



#### **OPTIONS**

### ■ Options (1):

- Purchase raw materials from EU manufacturers.
  - Manufacturers have to register.
- Keep aggregated volumes < 1 ton/year per substance.
- Import raw materials through an EU importer.
  - EU importer must find a solution.
  - Would not be a solution for the product imports.



#### **OPTIONS**

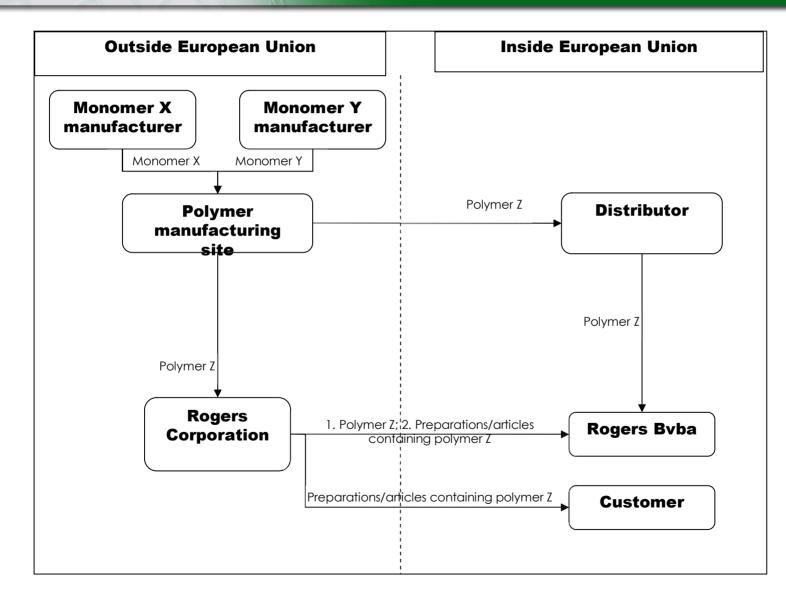
### ■ Options (2):

- Rely on the registration done by the non-EU manufacturers' Only Representative or an OR higher up in supply chain.
  - Complex.
  - Requires a lot of negotiation with the supply chain.
    - They are not obliged to accept it !
  - Has to be covered contractually to mitigate risks.
  - We have to report our imported volumes.
- Register ourselves.
  - **\$**\$\$!





#### **Supply Chain**





## **REACH Risks**

#### Vendor of Critical Products:

- May not register or not register for our intended "use".
  - Some specialty chemicals may be phased out due to high registration cost.
- Withdrawal from market (business continuity).
  - User may have to reformulate their products and re-qualify with the customers.
  - User or importer may have to register themselves.
  - User has to do the chemical safety assessment.
  - Cost
- May increase their prices due to registration costs.
- Substances of very high concern may be subject to use restrictions.
- May pre-register, but not register ... =>  $igodoldsymbol{\otimes}$
- New products.





#### **Future Needs**

#### Harmonization

- Rohs Reach Svhc
- MSDS SDS (REACH Compliant)
- GHS
- To spend less resources on compliance and more resources on DfE programs.
- Availability of green raw materials and strong market demand for green products.



### What is Needed

### A sustainable approach is needed:

- To maintain global market access.
- At lowest cost.
- To minimize business disruptions.
- To minimize legal liabilities.



• On-time product development.

"Capture as a Business Opportunity instead of Liability"



### **Product Life Cycle**

New End of Life R&D **Focus Product Life Cycle Distribution** Design Throughout the World **Traditional Variety of Products Manufacturing** & Packaging **Focus** 



- Robust system for reviewing all incoming raw materials (including R&D chemicals).
- Use a flag system to identify all restricted (voluntary to regulatory) substances.
- A notification system is in place to notify all affected parties.



#### Chemical Inventory

🛃 Chemical Inve	entory 2007 - [In	ventory - Ma	ateria	l Approvals (0) FN	1 1132 BLACK M.C.	]		
🖳 File Modif	fy Data Reports	Utilities	Windo	w Help				
Main Div/Usin				🗃 🏘   🛃 🛃 🦨	🖌     Classification   Reg	ulations People		mments
Generic: PHEI Vendor: ROG PO B	132 BLACK M.C. NOLIC MOLDING CO ERS-MOLDABLE CO 80X 550 ICHESTER			DN (MCD - MANCHI	✓ Show Latest	MSDS # 0 Date 3/29 HMIS Chronic: Health:	/1999 •	MSDS State Solid Liquid
<b>50-00-0</b> 108-95-2	BOU		<1 <5 <5 <1 <30	Chemical Name FORMALDEHYDE PHENOL METHYL ALCOH CARBON BLACK CELLULOSE TSCA 12(b) Notificat	Description FORMALDEHYDE PHENOL METHANOL CARBON BLACK CELLULOSE FIBE	Class:		C Gas Purity C Substance O Preparation VOC Undefined
Division ▶ ⊞ 199 ₩	Ref #	Division Nar ROGERS PI		Division Coo CT M CORPORAT				Cancel



### CAS # in Flag List

	🔜 Chemical Inventory - [f	·lag List]					_ 8 ×		
	P File Modify Data Reports Utilities Window Help								
Checks Are For Lists That Formaldehyde Is On	File Modify Data Repor	ts Utilities Window Help 50-00-0 FORMALDEHYDE (1910.1048) PEL: 0.75 ppm (C)0.3 ppm (C)0.37 mg/m; EPA Waste Code: U12 (Only P's and U's) Constances Constanc		n C 2mg/m3 U122 D 500 K 100 S 1000	22 Information D 500 TPQ K 100 RQ Links for Toxic Chem. Release Inventory				
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### **Questions and Comments**



