

# IBEL Content – Metric Status Report

February 24, 2010



The following is a working list of potential IBEL content. Entries in the table indicate proposed categories and the associated IBEL metric(s) to be measured or reported. Please note: Not all metrics will necessarily apply to all products. This list will evolve through the decisions of work groups, and will be updated after each work group meeting to reflect the most recent status. When completed, this list will constitute a **MENU** of metrics against which product data can be reported. Individual metrics will be selected from this menu to assemble the product label content for each product category in future calls. **Shaded entries in the table are to be considered on the February 19, 2010 work group call.** Changes since last call are displayed in **Blue** text.

## Human Health & Environmental

Category	Reportable IBEL Metric	Status
Asthmagen content		
Acute Chemical Concern - Oral		
Acute Chemical Concern - Inhalation		
Acute Chemical Concern - Dermal		
Corrosivity to Skin		
Skin Sensitizer		
Product Absorption via Skin		
Volatile Organic Compound Content		
Chronic Chemical Concern - Oral		
Chronic Chemical Concern - Inhalation		
Chronic Chemical Concern - Dermal		
Phosphorus Eutrophication		
Biodegradable Content – Aquatic		
Bioaccumulating content		
Toxicity to Aquatic Life		
Product Embodied Energy		
Product Embodied Water		

## Product Performance

Category	Reportable IBEL Metric	Status
Product Performance (specific to product type)		
Product Duration		
Energy Efficiency		
Water Efficiency		
Product Efficiency - General		

### Additional Product/Packaging

Category	Reportable IBEL Metric	Status
Prohibited Product Content		
Trace contaminants – CMRs (unintentionally added)		
Chem Prod Concentrates		Removed
Fragrance	Fragrance Added (No/IFRA/DfE/Other)	Recommended ( Feb 19)
Color and dyes	Colorant added (Yes/No)	Recommended (Feb 19)
Combustibility	Flash point, (°F)	Revised (Feb 19)
Post-Consumer Material content (packaging only)	PC Packaging content (%)	Recommended (Feb 9)
	Non-Chemical Products	Scheduled Feb 24
Reclaimed Material content –		Combined with PC Content (Feb 19)
Renewable /Biobased Material content (Includes product and packaging)	Renew/Biobased Product Content (%)	Revised – Posted for comment on IBEL site (WG Call - Feb 9)
	Renew/Biobased Packaging content (%)	
Recyclable Product Content (packaging only)	% of Product Recyclable	Revised – Posted for comment on IBEL site. (WG Call - Feb 9)
	Non-Chemical Products	Scheduled Feb 24
EOL – Product Takeback (packaging only)		
EOL- Biodegradable/compostable Content – Land disposal		
Labeling content		
Product Certifications Obtained		Removed

### Corporate Performance Categories

Category	Reportable IBEL Metric	Status
<b>Sustainability Reporting</b>		
<b>Environmental Mgmt program</b>		
<b>Supply Chain mgmt program</b>		
<b>Sustainable Energy Use</b>		

## IBEL Recommended Metrics

The following metrics have been recommended during the workgroup meetings and are pending comment by the broader Core Committee prior to being adopted. Once approved, Approved metrics are labeled as Adopted in the above menu. This document will be updated periodically and can be accessed on the IBEL website at [www.ecoform.com/lbel.html](http://www.ecoform.com/lbel.html).

### 1) IBEL Post-Consumer Content (Packaging) – Recommended by Feb 9 WG

(Note: This proposed metric is initially focused only on chemical-based products. We will take up non-chemical products in another month or so. )

- **Reported Value** – percent of PC content in package
  - **Method for Reporting /Measurement**– total of PC-sourced content in product packaging divided by the total weight of the packaging. Calculation includes all primary and secondary packaging, bags, and films.
  - **Verification** – The following documentation must be provided by manufacturer, if requested, to prove conformance with reported value(s).
    - o Manufacturer declaration of all primary and secondary packaging materials for product registered in IBEL, and the overall weight and level of PC-content for each material. In the form of a supplier letter.
    - o Letter or other documentation from supplier that clearly states the percentage of recycled content in packaging material supplied. Letter must clearly stipulate content as Post-consumer sourced.
  - **Definition of Post Consumer Content**- Material that would otherwise be destined for solid waste disposal, having completed its intended end-use and product life cycle. Post-consumer material does not include materials and by-products generated from, and commonly reused within, an original manufacturing and fabrication process.
  - **Rationale for Inclusion in IBEL** – Typical environmental metric that encourages the use and encourages the development of markets for recycled materials
  - **Reporting Context** – Not applicable , measurement is self explanatory
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### 2) IBEL Recyclable Packaging – Recommended by Feb 9 WG

(Note: This proposed metric is initially focused only on chemical-based products. We will take up non-chemical products in another month or so. )

- **Reported Value** – percent of product packaging content recyclable through widely available and existing recycling programs.
- **Method for Reporting /Measurement**– total of readily recyclable product packaging content divided by the total weight of the packaging. Calculation includes all primary and secondary packaging, bags, and films.
- **Verification** – The following documentation must be provided by manufacturer, if requested, to prove conformance with reported value(s).
  - o Manufacturer declaration of all primary and secondary packaging materials for product registered in IBEL, and the overall weight and level of PC-content for each material. In the form of a supplier letter.
  - o Documentation that all plastic materials are clearly marked with easily observable recycling system classification.

- **Definition of Recyclable** – The package can be collected in a substantial majority of communities, separated or recovered from the solid waste stream and used again, or reused in the manufacture or assembly of another package or product through an established recycling program.
  - **Rationale for Inclusion in IBEL** – Typical environmental metric that encourages the recycling of products to improve society's efficient use of materials.
  - **Reporting Context** – Not applicable , measurement is self explanatory
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### 3) IBEL Product Biobased Content– Recommended by Feb 9 WG

- **Reported Value** – percent of biobased content in product and package combined
- **Method for Reporting /Measurement**– total of biobased content by weight in product (including packaging) divided by the total weight of product and packaging. Calculation includes product and all primary and secondary packaging, bags, and films. Biobased content can be determined through one of the following methods:
  - o Results of direct testing of the product, or an identical product produced by the company and branded under a different name, using ASTM Method D6866, "Standard Test Methods for Determining the Biobased Content of Natural Range Materials Using Radiocarbon and Isotope Ratio Mass Spectrometry Analysis," or
  - o Calculation using a weighted average approach that assumes that the biobased content of the individual ingredients making up the product and packaging is additive. Biobased content reported by raw material suppliers must be documented and derive from testing using the specified ASTM method.
- **Verification** – The following documentation must be provided by manufacturer, if requested, to prove conformance with reported value(s).
  - o If biobased content was determined directly through testing, a report of test results from an independent laboratory using the appropriate ASTM test. If testing is conducted on an identical product branded under a different name, a manufacturer statement of product conformance in the form of a letter will also be required.
  - o If biobased content was determined by calculation using supplier provided test data, a copy of independent test results for each ingredient claiming biobased content and a statement of conformance from the supplier in the form of a letter will be required. In addition, the manufacturer must provide the calculations supporting the biobased declaration including adequate supporting data (i.e. weight percent of each biobased ingredient).
- **Definition of Biobased Content** – A product determined by the U.S. Secretary of Agriculture to be a commercial or industrial product (other than food or feed) that is composed, in whole or in significant part, of biological products or renewable domestic agricultural materials (including plant, animal, and marine materials) or forestry materials. (Source: Federal Biobased Product Preferred Provider Program FB4P)
- **Rationale for Inclusion in IBEL** – Biobased content is renewable and thus does not consume limited resources that are otherwise non-renewable contributing to future sustainability of society
- **Reporting Context** – Not applicable , measurement is self explanatory