



Bayer CropScience Steps Toward Compliance with 2006 EPA Container and Rule: Revision of the Repackaging Agreement

J. D. Fish
Application Technology Manager
Bayer CropScience

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Scope of Agreement

- BCS implemented new agreement in 2010
- Authorizes customer to receive specified BCS products in bulk and minibulk and repackage for resale.
- Agreement references the EPA rule and compliance.
- Defines responsibilities and obligations,
- Provides specific information required by C&C rule,
- Agreement can cover multiple locations of a single company
- New Online Tool used for “electronic” administration.
 - Saves time and sales rep visit
 - Allows easy document printing or replacement
 - Each site must have a executed copy of the Agreement on file,
 - Allows easy updates.



Container Approval

- Repackager must use refillable containers that meet the minimum requirements in the EPA Rule, including but not limited to:
 - Meet at least DOT Packaging Group III specifications;
 - Equipped with tamper evident seal, one-way valve or both;
 - Contain a capacity of one gallon or greater (BCS spec);
 - Contain a serial number;
 - Constructed of approved Materials of Construction required with each Product as set forth in Exhibit A.
- Repackager must comply with the specifications by consulting with container manufacturer or supplier.

Authorized BCS Bulk and Minibulk Products Materials of Construction

List will be updated
As needed

Exhibit A
Examples

Product Trade Name	EPA Registration No.	Approved Materials ^A of Construction for bulk tanks, refillable containers and equipment. Contact BCS for additional information.
CORVUS® Herbicide	264- 1066	HDPE, LDPE, 304 or 316 SS, Viton, EPDM
HUSKIE™ Herbicide	264-1023	FL HDPE, FL LDPE, 304 or 316 SS, Viton ^B , EPDM
IGNITE® 280 Herbicide	264- 829	HDPE, LDPE, 304 SS, 316 SS, Viton, EPDM
STRATEGO® YLD Fungicide	264-779	HDPE/LDPE, 304 or 316 SS, EPDM, Viton

A Key Terms:

HDPE – High Density Polyethylene

LDPE – Low Density Polyethylene

FL - Indicates plastic (HDPE or LDPE) containers must be Fluorinated to a minimum of Level 3.

Viton – Seal Material

EPDM – Seal Material

B Indicates the preferred seal material if both Viton and EPDM are listed.

Refillable Container Specifications, Sourcing and Container Life Cycle

- BCS provides basic information that allows retailers to purchase refillable containers from vendors or evaluate current supply. *Flexible and compliant approach.*
- All selections and use practices must comply with terms of the Agreement and EPA C&C Rule.
- BCS has imposed a 2.5 year life for composite (caged) IBCs used with our products.



IBC Upgrade

- Early 2011, BCS upgraded specifications for 275 gallon Composite IBC from Schuetz used for a production package to include:
 - One way valve plus tamper evident seals
 - Vented top lid
- Other IBC manufacturers such as IBC-NA and Snyder have upgraded their offers to include one way valves and vents.
- IBC distributors (ex. Farmchem) now stock this upgrade, plus other refillables with one way valves.



New Approval - Refillable Container Useful for BCS Low Use Rate Products



- Different package than BCS's standard non-refillable 2.5 gallon container.
- BCS just received UN/DOT PG III approval for a **specific, BCS stock 2.5 gallon container**
- UN 3H1/Z1.4/30/11/USA+AA6747
- Meets PG III test requirements for DOT non hazardous products without using a 2x2.5 card board box.
- *Meets repackaging needs for non DOT hazardous low use rate products delivered in 250 gallon minibulk .*
- Serial numbers can be applied by refiller.
- Refilling will require cleaning and use of a new tamper evident lid.
- Life cycle will likely be one season.



Container Cleaning and Disposal

Cleaning
Guides

Label
Changes

- BCS added “Cleaning and Disposal” to all labels.
- In some cases, modified “Directions for Use” to include terms and authority to remove tamper evident cables unless the container is equipped with one way valves and refilling is planned. If this is the case, end users are not authorized to remove tamper evident cables, one way valves or clean container.
- BCS supports CLA & EPA guidelines for:
 - “Safely Cleaning Refillable Pesticide Containers for Recycling”.



Cleaning Bulk Tanks, Refillables and Equipment

- BCS practices based upon established best practices,
- Dedication is recommended,
- Boiler plate in nature,
- Adaptable to all products,
- Also lists additional risk avoidance recommendations,
- Multiple water rinses are key,
- Cleaning products (Detergents, tank cleaners) are variables which may be product specific.
- BCS supports CLA guideline development for:
 - *“Guidance for Safely Cleaning Refillable Pesticide Containers for Refilling and Rededication”*.
 - BCS will reference CLA Guidelines in agreement.



Thank you!

Questions?