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## Doing What it Takes to be WasteWise

**F**rom reducing product packaging to buying manufacturing supplies in bulk, the chemical and pharmaceutical industry has a wealth of waste reduction opportunities. Below is a sampling of the commitments and achievements of WasteWise partners in this industry. These types of activities also can help your company reduce waste and cut costs. For more information or to enroll your company in WasteWise, call **800 EPAWISE (372-9473)** or visit our home page at [[www.epa.gov/wastewise](http://www.epa.gov/wastewise)].

### Waste Prevention

**T**he cornerstone of WasteWise, waste prevention means using less material to do the same job, cutting waste before recycling. Regardless of industry sector, everyone can take advantage of general waste prevention goals, such as double-sided copying, packaging reduction, or switching to reusable supplies. Some WasteWise partners in the chemical and pharmaceutical industry have gone beyond the basics and implemented activities that target industry-specific waste materials. The following is a sampling of these goals:

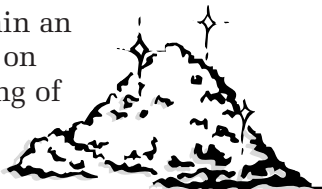
- ❖ Implement an in-plant labeling system that eliminates purchase of excess labeling materials.
- ❖ Redesign product inserts to use less paper.
- ❖ Lightweight plastic bottles used for product packaging.
- ❖ Eliminate tertiary packaging on outgoing products.
- ❖ Reduce materials in steel drums by standardizing specifications and down-gauging drum thickness and weight.
- ❖ Purchase materials in returnable or reusable drums. Recondition and reuse drums.
- ❖ Use refillable cylinders instead of drums for shipping.
- ❖ Send out products in returnable totes.
- ❖ Purchase in bulk to eliminate plastic pails used to store raw materials.
- ❖ Reuse 65" super sacks for storage of dry chemicals.
- ❖ Use reusable industrial oil absorbents.
- ❖ Use cleaning rags for solvent application instead of disposable applicators.
- ❖ Purchase reusable coveralls and cleaning wipes.
- ❖ Establish program to wash vinyl operator gloves for reuse.
- ❖ Send heavy equipment air filters out to be reworked in lieu of discarding.



## Recycling Collection

**W**asteWise partners commit to initiating, expanding, or improving company programs to collect recyclables. In some cases, companies add new materials to an existing program, or they increase effectiveness through activities such as employee education or community outreach. WasteWise partners in the chemical and pharmaceutical industry have set these goals:

- ❖ Recycle fiberboard barrels.
- ❖ Recycle glass into “glassphalt”.
- ❖ Recycle laminated cardboard cores.
- ❖ Recycle dry chemical bags.
- ❖ Organize and maintain an employee handbook on disposal and recycling of laboratory waste.



## Buying or Manufacturing Recycled Products

**W**asteWise partners commit to increasing the overall recycled content in the products they purchase.

WasteWise partners that are manufacturers can either increase the percentage of postconsumer content in the products they make or increase the recycled content in the products they purchase. Buy-recycled activities of WasteWise partners in the chemical and pharmaceutical industry include:

## WasteWise Partners in the Chemical and Pharmaceutical Industry

- |  |  |
|--|--|
| Abbott Laboratories                      | Morton International, Inc.                     |
| Allchem Services, Inc.                   | Nalco Chemical Company                         |
| Allergan, Inc.                           | Noramco of Delaware Inc.                       |
| Alpharma USPD Inc.                       | Novartis Pharmaceuticals Corporation           |
| Applied Specialties, Inc.                | PCS Nitrogen Fertilizer, L.P.                  |
| BASF Corp.                               | Pharmacia Corporation                          |
| Calgene LLC                              | Phillips Petroleum Company                     |
| Clearon Corp.                            | Purepac Pharmaceutical                         |
| Cytec Industries - Fortier Complex       | Reckitt & Colman Inc.                          |
| Cytec Industries Inc., Wallingford Plant | Roche Vitamins Incorporated                    |
| Dow Chemical Company                     | S.C. Johnson & Son, Inc.                       |
| Dow Corning Corp.                        | Searle & Company                               |
| DuPont Pharmaceuticals Company           | Shell Chemical Company                         |
| Duramed Pharmaceuticals                  | Sterling Chemicals, Inc.                       |
| E. I. duPont de Nemours & Company, Inc.  | The Hall Chemical Company                      |
| Eli Lilly & Company                      | The Lubrizol Corp.- Corp HQ/Wickliffe R&D Fac. |
| Faultless Starch/Bon Ami Company         | The Lubrizol Corp.- Painesville Manufg Fac.    |
| Genzyme Corporation                      | The Muralo Company Inc.                        |
| Hoffman-La Roche Inc.                    | The Scotts Company                             |
| Merck-Medco Rx Services of NV            | The Seydel Companies                           |
| Monsanto Company                         | VANEX, Inc.                                    |
| Monsanto Company - Luling Plant          | Witco Corp.                                    |
|  | Zeneca Specialties                             |

As of February 1, 2002

- ❖ Purchase plastic drums made with recycled content.
- ❖ Increase postconsumer content in bag-in-box packaged products.
- ❖ Incorporate regenerated PET into product packaging.



## Sample Partner Achievements

- ❖ **Applied Specialties, Inc.** encourages waste prevention among its clients by working with its material transport tank manufacturer to collect used tanks for free. The used tanks are cleaned for reuse.
- ❖ **Calgene LLC** keeps lab and office equipment out of landfills by donating it to local primary and secondary schools, universities, and science centers. The company also reduced incoming junk mail by providing employees with postcards that request removal from mailing lists.
- ❖ **The Lubrizol Corp. Wickliffe Ohio** (Corporate Headquarters and R&D facility) collects wooden boxes and crates for internal reuse, donates old furniture for reuse, and shreds pallets to be used for lawn mulch and playground turf. In 2000, the company donated 3.4 tons of computer equipment to local schools.