

DANGEROUS GOODS REPORT

INSIGHTS ON HAZMAT ISSUES
AUGUST 2016

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YOUR HAZCOM COMPLIANCE STANDS?

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Welcome to the sixth issue of the *Dangerous Goods Report*

Dangerous Goods require special labels, markings and packing instructions—but the most important element in keeping DG shipments safe might be the packaging itself.

In this issue of the *Dangerous Goods Report*, we examine packaging inside and out—including a close look at the how and why of selecting the proper lithium battery packaging. We also examine how businesses have complied with the final GHS deadline and take a closer look at everything that goes into the perfect hazmat label. Finally, our new infographic helps you sort out the nuts and bolts of the new reverse logistics regulations.

As always, we at Labelmaster are here to help you make sense of the ever-changing Dangerous Goods landscape. We hope you find the information and solutions in the *Dangerous Goods Report* to be useful, and we welcome any questions.



Alan Schoen
President of Labelmaster

ONLINE RESOURCES



GET CONNECTED

For more information on handling lithium batteries throughout your DG supply chain, visit labelmaster.com/lithium-battery-shipping.



STAY INFORMED

The world of DG is constantly changing. To find updates on a wide range of DG topics, including lithium battery shipping, visit blog.labelmaster.com.



HEAR FROM OUR EXPERTS

The Master Series is a collection of short videos that provides practical perspectives on current DG issues. For more, visit labelmaster.com/masterseries.



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From advanced shipping software to logistics consulting, Labelmaster Services can help keep your business on the right side of DG regulations. Visit labelmaster.com/services to learn more.



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THE ELEMENTS OF COMPLIANT PACKAGING

With all the concern about new regulations that affect how you're permitted to ship packages, it's easy to forget about one crucial element:

THE PACKAGE ITSELF.

WHY IS DANGEROUS GOODS PACKAGING SO SPECIALIZED?

Ordinary materials can be packed in ordinary packaging, because no one is likely to get hurt if the packaging fails.

But Dangerous Goods are potentially—wait for it—dangerous. From the most volatile chemicals to those seemingly innocent household goods, any regulated material could, under certain circumstances, cause injuries or death.

If they can't be packaged safely, they can't be shipped safely—or at all.

And you can't ship Dangerous Goods safely in one-size-fits-all packaging. **Packages have to be designed to minimize the potential hazards of each particular regulated material.** Since hazmat comes in so many different forms, configurations and sizes, that's a lot of packaging to sort out.

HOW UN PACKAGING HELPS

Not every regulated material requires UN-certified packaging. But UN packaging can make shippers' lives easier—it's standardized worldwide, and extensive testing demonstrates its ability to protect both a package's contents and the people who handle it.

Those tests include:

- ◆ Drop tests
- ◆ Stack tests
- ◆ Vibration tests
- ◆ Water absorption
- ◆ Pressure differential



Choosing the exact UN-certified package for your Dangerous Goods shipment is the first step toward assuring that shipment is safe and compliant, wherever you happen to be sending it.

RIGHT PACKAGE, RIGHT ASSEMBLY

The right package isn't right—or compliant—if it's assembled wrong.

Dangerous Goods packages are designed and tested to achieve a certain level of safety. Using them otherwise means they might not work as well. Manufacturers must issue written instructions on how to build and close packages, which may include:

- ◆ Using the exact tape a UN package was tested with
- ◆ Tightening drums to an exact torque
- ◆ Using the proper linings, inserts, bags, absorbents, etc.

It's critical to follow these instructions—and not just for safety. An assembly violation (like using the wrong width tape) is an easy catch for an inspector. Just sayin'.

You should also be sure to include clear package assembly instructions for customers who are returning shipments. They may not be trained in Dangerous Goods shipping, but their shipments can be held to the same compliance standards—and their violations can make your job much harder (see page 8).



“Yes, you’re shipping hazmat”

When you're a Dangerous Goods professional, it's easy to forget that **some people don't know when they're shipping a hazardous material.**

Unfortunately, some of those people might be your customers and partners.

Never assume that your Dangerous Goods knowledge automatically flows downstream. Make sure your customers and partners use the correct packaging for the materials they're handling and shipping, particularly in the context of reverse logistics (see page 8).

It's your responsibility to tell them, “Yes, you're shipping hazmat. Here's how to do it right.”



Compliance protects your bottom line, too

In the big picture, compliance is about keeping people safe. But in the day-to-day world of shipping Dangerous Goods, compliance is about saving money.

Think about all the ways a frustrated, non-compliant shipment can set you back:

- ◆ A late delivery (and a dissatisfied customer)
- ◆ Rush shipping charges
- ◆ Repacking remediation and/or reshipping
- ◆ Disposal of the violating shipment
- ◆ Investigation and troubleshooting

Not to mention...

- ◆ Regulatory fines

Want to see what a single frustrated shipment can actually cost you? Visit the Labelmaster Frustrated Shipment Cost Calculator at labelmaster.com/frustrated-shipments/cost-calculator.

PACKAGING AND BATTERY SHIPPING COMPLIANCE

Since 2014, many lithium battery shipments that once required no special handling at all have been completely banned from commercial air transport. Others now require special labeling, must be below a certain state of charge, or can be packed compliantly only in certain quantities. Yikes!

Of course, not every battery is a lithium battery. The 49 Code of Federal Regulations (CFR) recognizes seven other battery types, from your everyday alkaline AAs to the acid-filled behemoth that starts your car. Each one requires its own special packaging.

If only there were an online resource that could tell you *exactly* which packaging you needed.

Oh, wait!

There is—the Labelmaster Battery Packaging Finder, at labelmaster.com/battery-packaging.



The Battery Packaging Finder helps you select the right package based on your answers to these five questions:

1. What are you shipping?
2. What type of batteries?
3. What transport mode?
4. What are the batteries' power ratings?
5. How many batteries in your shipment?

You can also find more detailed solutions to all your lithium battery shipping situations with **Labelmaster's Lithium Battery Advisor**, at labelmaster.com/software/lithium-battery-advisor.

WHY YOUR PACKAGING PARTNER MATTERS

When you consider all the different Dangerous Goods your company might need to ship, you see how the choices (and the consequences of choosing incorrectly) can get overwhelming.

That's why **you need a packaging partner, not just a packaging supplier.** Because, while one company's 10" x 10" x 10" Variation Two box is similar to another company's 10" x 10" x 10" Variation Two box, the two companies may inspire vastly different levels of confidence.

You can be confident with Labelmaster, because we offer selection, service and—most important—expertise you simply won't find anywhere else.

- ◆ **Our packaging selection** reflects the greatest depth and breadth anywhere, including a complete range of UN-certified packing kits and our exclusive, 100% **QA-inspected Performance Plus line**, available fully assembled or unassembled. Plus, we carry all the packing components and accessories you need, from caps to liners to vermiculite.

- ◆ **Our service** is guaranteed to meet the demands of your fast-paced business. We keep plenty of product in stock, so you'll receive complete orders—on time, with 100% accuracy—and answers from the most knowledgeable sales force in Dangerous Goods.
- ◆ **Our expertise** will help you select the right packaging to ensure compliance for any type of shipment.
- ◆ **Our consulting services team** can help you with training, audits and assessments, and other advisory issues. Learn more at labelmaster.com/services.
- ◆ **Our proprietary DGIS software** helps you label, document and ship every package with complete confidence. Request a demo at labelmaster.com/software/dgis-solutions.

Remember—compliance really is the whole package. **Call Labelmaster at 800.621.5808** to ask about any hazmat packaging solutions you may need.

THERE'S NO SUCH THING AS AN AVERAGE HAZMAT SPILL.

Save 10% off these featured items. Visit labelmaster.com/shop/spill and order today!

Statistics say the "average" hazmat spill costs a business about \$30,000. But when it's your business, statistics don't matter. You need that spill contained, and you need it cleaned up—now.

Sales prices valid through 8/31/16. Discounts are off of list price and exclude any other offers, promotions or agreements. Price discounts are as marked for each item on labelmaster.com.



Labelmaster's full line of American-made spill control products protects your workers, the environment and your bottom line.

- ◆ Nestable, lightweight 95-gallon **Poly-Overpack™ Salvage Drums**
- ◆ Absorbent, oil-only 20-gallon **Salvage Drum Spill Kits** with twist-on lids
- ◆ Non-biodegradable, environmentally friendly **ENSORB® Super Absorbent™**
- ◆ Absorbent 5-gallon **Universal Spill Kits** with water-resistant bags

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Your Guide to RETAIL REVERSE LOGISTICS

RETAIL
SUPERSTORE & OUTLET

or, “How to Keep Returns from
Coming Back to Haunt You”

If you're a retailer,
returns are a big deal—almost

9% of total U.S. purchases.¹

Sales = \$3.2 trillion
Returns = \$284 billion



If your products include **Dangerous Goods**, returns can also complicate your logistical planning because **they're subject to the same hazmat shipping regulations as your outgoing shipments**. We're talking about all those:

- ◆ Batteries and battery-powered devices
- ◆ Electronics
- ◆ Paints and coatings
- ◆ Perfumes
- ◆ Aerosols
- ◆ Cleaning solutions
- ◆ Smoke detectors
- ◆ Cosmetics

THE GOOD NEWS?

A new rule makes some return shipments easier **for retailers with brick-and-mortar stores**.



PHMSA HM-253 defines reverse logistics as “the process of offering for transport or transporting by motor vehicle goods from a retail store for return to their manufacturer, supplier, or distribution facility for the purpose of capturing value (e.g., to receive manufacturer's credit), recall, replacement, recycling, or similar reason.”²



HM-253 APPLIES ONLY TO:

- ◆ Highway transport
- ◆ Limited quantity shipments
- ◆ Private carriers



HM-253 DOES NOT APPLY TO:

- ◆ Air shipments
- ◆ Rail shipments
- ◆ Marine shipments



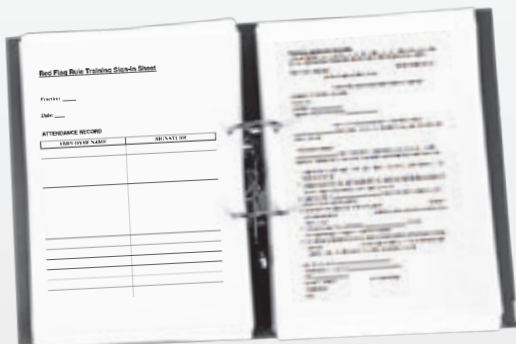
HERE'S HOW HM-253 HELPS WITH RETURNS:

For retailers shipping returns with their own vehicles, most hazmat packages do not have to be labeled or marked to reflect their specific contents.* They can be shipped with a new marking:



If you ship returns through non-private carriers—e.g., FedEx, UPS or USPS—all the full labeling and marking rules still apply.

*Be careful—there are numerous exceptions.³



Retailers will benefit from specific training requirements, as long as they:

- ◆ Identify the hazardous materials in the shipment and verify compliance
- ◆ Provide clear handling and shipping instructions
- ◆ Ensure that the instructions are known and accessible to employees when they prepare the shipment
- ◆ Document that employees are familiar with the requirements

**REVERSE LOGISTICS—
HIGHWAY TRANSPORT ONLY—
Under 49 CFR 173.157.**

REVERSE LOGISTICS—
HIGHWAY TRANSPORT ONLY—
UNDER 49 CFR 173.157

SEE PAGE 19
for Reverse
Logistics
Products

THE BAD NEWS

HM-253 does not apply to returns that come directly from consumers.



Still, it's the shipper's responsibility to comply with hazmat transportation regulations—and, in the customer return scenario, the customer is the shipper.

But if a customer has a return shipment

REJECTED

who are they going to blame? **YOU!**

How can you help customers ship returns compliantly? Easy returns are an essential part of overall customer care. When developing your customer returns process, you should:

- ◆ **Train customer service representatives** on the basics of hazmat shipping so they can assist customers.
- ◆ **Notify customers that rules exist**, and give them guidance on the shipping requirements for the product being returned.
- ◆ **Insist that all return shipments be made via ground shipping**, since air transport is exponentially more complex.
- ◆ **Consider sending customers packing materials and instructions.**
- ◆ **Consider sending customers replacement items** and skipping the return process altogether. Be sure to provide the customer with information on the proper disposal of the items.



MANY WAYS TO STAY COMPLIANT

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SOFTWARE

Streamline compliance with DGIS

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SERVICES

Training, site assessments and more

LABELMASTER[®]
PRODUCTS

New reverse logistics markings

We're here to help. Call **800.621.5808** or visit **labelmaster.com** for more information on software, products and services.

³National Retail Federation, *Consumer Returns in the Retail Industry*, 2014

²Federal Register, Vol. 81, No. 62, Thursday, March 31, 2016

⁴49 CFR Part 173.150–159, 306

⁴PHMSA Letter of Interpretation 09–0139

The First Thing A Hazmat Inspector Sees



Later this year, we at Labelmaster expect to start getting a lot of calls asking essentially the same question:

Who cares how wide the border on my label is?

“I’ll tell you who cares,” says Labelmaster Product Engineer Tom Chekel, “the guy who puts his name on the shipping docs, certifying that the shipment is 100% correct.”

In Dangerous Goods, compliance matters. And more often than not, compliance starts with your shipping labels. After all, what’s one of the first things an inspector sees?

WHY HM215M MATTERS

The PHMSA “Final Rule on Hazardous Materials: Harmonization with International Standards”—better known as HM215M—is a 90-page document with dozens of sections. But everyone gets hung up on the borders.

That’s because, among its many provisions, HM215M mandates strict widths for the borders on hazmat labels and placards.

Chekel says, “You might not think it makes any difference to public safety, but it matters a lot to the carriers who ship goods all over the world. They want labels that meet the same standards everywhere, and they won’t even take packages that don’t meet those standards.”

In other words, the rules are the rules. And it’s never been more important to play by them.

COMPLIANCE = PEACE OF MIND

Let’s face it—there are many places to get labels.

But Dangerous Goods compliance starts with your shipping labels, and compliance is too important for you to mess around with this critical component. Compliance means...

- ◆ Getting your shipment there without frustration
- ◆ Protecting people, property and products
- ◆ Job security
- ◆ Peace of mind

Compliance means labels that meet the latest regulations for every mode of transportation—and labels that won’t fall off between Utica and Altoona.

“We test all our adhesives,” says Chekel. “Customers expect their labels to be right, because if they’re not, it costs them money and goodwill.”

PERSONALIZED AND CUSTOMIZED— WITH EXPERTISE AND INNOVATION

Most DG shipments require more than one label—unless you personalize your labels with your company information or specific UN numbers, saving your company time and effort with every shipment.

Labelmaster can also create custom labels from scratch—and to exact specifications—to meet your unique needs. Simply tell us what you'll be using the labels for, and our experts can help determine the best size, material, adhesive, etc. for your application.

"This is where our expertise really comes into play," says Chekel. "We'll make sure your personalized or custom label is 100% correct. Does the commodity match the

UN number? Is the information lettered in the right height for the container you're using? Those are the details an inspector will nail you on."

And the possibilities for customization go beyond the printed information. We can customize the label materials as well. In one instance, a customer came to us with a need to reduce static electricity discharge when labeling drums in a static-sensitive environment. So, we developed the static dissipative drum labels that you can find on our website today.

Details matter. Compliance matters. Labels matter. ■

Call Labelmaster at 800.621.5808 to ask how our labels can help keep your operation safe, efficient and compliant.

DON'T COMPROMISE—CUSTOMIZE!

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When standard labels and signs aren't a perfect fit for your shipments and workplace, Labelmaster can create them from scratch. We'll help you figure out the right colors, wording, size and materials—from heavyweight coated paper to waterproof outdoor vinyl.

You might also need:

- ◆ GHS labels and signs
- ◆ NFPA labels and supplies
- ◆ Health and safety posters
- ◆ Accident prevention tags
- ◆ Lock out/tag out devices

HEV70BAT



**5%
OFF**



**5%
OFF**

HZRS642

**5%
OFF**



HZRS407

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The final deadline for compliance with OSHA's 2012 Hazard Communication Standard (HCS 2012) passed on June 1. That means every workplace in the United States should now be fully compliant with the provisions of the UN's Globally Harmonized System (GHS).

Those of us in the Dangerous Goods business were faced with a double responsibility during the harmonization process. We've had to help our customers every step of the way while also making sure our own workplaces were fully compliant.

GHS ENTERS THE WORKPLACE



HCS 2012 was designed to ensure that important safety information would be consistently conveyed from the original source of hazardous materials all the way to the workplace where these materials are used, giving employees the right to know and understand the hazards of the substances they work with. The June 1, 2015 deadline stated that chemical manufacturers and importers must comply with all modified provisions. By December 1, 2015, distributors had to be shipping compliant materials. This means all hazardous materials coming into a workplace from that point on would be GHS-compliant **in the original containers.**

But what happens when these hazardous materials are transferred into secondary containers for use by employees? As of June 1, 2016, all the secondary containers must comply with the modified provisions as well.

And that's where some confusion has occurred with regard to existing workplace hazcom systems like the Hazardous Materials Identification System (HMIS).

Do they work together? Does one replace the other?

OSHA says alternative labeling systems such as HMIS can still be used for workplace hazcom with the following caveat: "...the information supplied on these labels must be consistent with the revised HCS; e.g., no conflicting hazard warnings or pictograms."

Consistency is the key here. The best course of action is to review workplace labels on your secondary containers to ensure they are compliant. If you find non-compliant labels, they should be replaced with labels that convey the same hazard communication information as the primary containers in your workplace.

TWO SYSTEMS, TWO PERSPECTIVES

Stephen Wieroniey, Director of Occupational Health and Product Safety at the American Coatings Association, says employers who use HMIS "...may only have to make minimal updates. But they'd better ensure their raw materials are compliant with the workplace labeling provisions of HCS 2012."



"The workplace standard allows different systems," says Labelmaster regulatory specialist Nikki Burgess. "There is no explicit legal requirement to convert existing workplace-only systems to GHS-based labeling, although sound risk management principles certainly demand careful consideration of that objective in order to limit future liability."

She explains: “Manufacturers and distributors who have complied with the earlier GHS deadlines are shipping materials with GHS labeling to you. If you take that product and transfer it into a secondary container, you’re responsible for ensuring there’s compliant labeling.”

Employers will have to evaluate what will work best for their location based on material usage and workflow, but they must meet two important requirements:

1. Update workplace labeling and hazard communication programs as necessary to include any newly identified hazards, and
2. Provide additional employee training for any newly identified physical or health hazards.

Labelmaster has the labels and expertise you need to make sure your workplace is 100% HCS 2012-compliant. Visit labelmaster.com/shop/labels/ghs-hazcom-and-nfpa-labels or call **800.621.5808** to learn more.

COMPLIANCE AFTER JUNE 1

With the final GHS deadline in the past, what’s the most important thing employers can do to keep their workplaces compliant and safe?

Wieroniey stresses the need for continuous training under the HMIS program. **“It’s not sufficient just to put a label on a vessel and call yourself compliant.** You need to have a written program and train your workers so they understand the system. And part of that training is explaining the differences in the new system.”

Burgess says, “Check all your inbound product to make sure it’s compliant. Responsibility goes downstream— if you accept a non-compliant product, you assume responsibility. Send it back. Then fix what’s inside your operation that isn’t fixed. The training deadline was three years ago.”

Wieroniey agrees. “This can be an important time to review everything to make sure you’re compliant, or to say, ‘Wow, we really missed that—let’s make it right.’” ■

YES, WE CAN. WE ALSO PAIL.

Ship your coatings and chemicals safely and compliantly with Labelmaster’s steel cans and pails. No one offers a wider selection of vessels specially designed for the challenges of liquid hazmat transport.

OUR STEEL CANS

- ◆ Are available in pint, quart and gallon sizes
- ◆ Have triple-tight rings and plugs to prevent spills
- ◆ Are available with gold epoxy-phenolic and gray epoxy linings
- ◆ Contain 25% post-consumer recycled content and are 100% recyclable

OUR STEEL PAILS

- ◆ Are available in one-gallon and five-gallon sizes
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Having the right supplies means handling hazardous materials with confidence, whether you're shipping lithium batteries, managing reverse logistics or labeling chemicals in your workplace. This just is a small selection of what we have to offer—shop labelmaster.com for even more products, software and services to help keep your shipments moving and stay compliant.

UN PACKAGING AND COMPONENTS

KG3250



NARROW MOUTH BOTTLES

PRODUCT NUMBER	DESCRIPTION	QUANTITY	PRICE
KG3250	Boston Round Bottle, 32 oz, 33/400 Mouth Size, PVC Coated Flint	Each	\$5.79



KM1020EL

STEEL PAILS

PRODUCT NUMBER	DESCRIPTION	QUANTITY	PRICE
KM1020EL	1-Gallon Closed Head Pails	Each	\$32.41



HMS-33

SPECIAL PERMIT PACKAGING

This fully assembled, Special Permit Packaging DOT-SP-9168 With 1-Liter Bottle gives you the flexibility of using your own inner container to ship Packing Groups I, II or III materials by all modes of transport. The SturdeeSeal™ poison pack carries an exemption (DOT-SP-9168) that allows you to ship the following materials domestically without using a hazard class label: poisons, stow away from foodstuffs, flammable liquids, flammable solids, corrosives and dangerous when wet.

PRODUCT NUMBER	DESCRIPTION	PRICE
HMS-33	Special Permit Packaging DOT-SP-9168, 1 Liter Bottle	\$27.86

GLASS BOTTLE SHIPPING KITS

Our Amber Glass Bottle Shippers are tested for Packing Groups I, II and III liquids. Find more styles and sizes on labelmaster.com.



UN32FAPS

UN4LFAPT

PRODUCT NUMBER	DESCRIPTION	PRICE
UN32FAPS	Glass Shipping Kit, w/32oz Amber Bottle, 33mm Cap, Assembled	\$18.01
UN4LFAPT	Glass Shipping Kit w/ 4 L Narrow Mouth Bottle, Assembled	\$30.72



UN4GV21R

4GV BOXES

UN certified boxes for four 128-oz. inner containers have been designed, tested and certified in accordance with 49 CFR, ICAO, International Air Transport and IMDG/IMO requirements. These 4GV boxes are suitable for Packing Groups I, II or III liquids or solids by any mode of transportation. Find more sizes and components on labelmaster.com.

PRODUCT NUMBER	DESCRIPTION	PRICE
UN4GV21R	4GV Box, I.D. 21" x 21" x 20 1/2"	\$15.69



Get the latest DG updates at BLOG.LABELMASTER.COM.



UNIPC1G1R

PAINT CAN SHIPPING KIT

Safely store and ship paint, coatings, solvents and other hazardous materials. This kit is suitable for shipping Packing Groups II and III liquids. They feature a metal paint can with plastic ring lock that meets hydrostatic pressure tests up to 95 kPa. The kit includes a corrugated insert, liner bag, tape and UN-marked, fiberboard box. Find more sizes and styles on labelmaster.com.

PRODUCT NUMBER	DESCRIPTION	PRICE
UNIPC1G1R	Metal Package 1, 1 Gal. Paint Can, Unassembled without 1 Gal. Paint Can	\$6.13



KTV400R

VERMICULITE

PRODUCT NUMBER	DESCRIPTION	PRICE
KTV400R	Vermiculite Grade 4A, Extra-Coarse, 4-cu. ft. Bag	\$26.80



HMS-69110

DRY ICE PACKAGING

This Dry Ice Packaging may be used for shipping infectious materials that must be kept cold during transport. The infectious substance shipper holds up to five vials of infectious materials with a total gross weight of 94g. With the addition of 5kg of pellet dry ice (not included), the 4GU shipper will keep your payload temperature at -60°F for 44 hours. Hydrostatically pressure tested to 95 kPa, the Dry Ice Packaging includes a wide mouth jar and universal absorbent to hold vials, foam cushioning, UN marked 11" x 9" x 13¾" (I.D.) fiberboard box and hazard class shipping labels.

PRODUCT NUMBER	DESCRIPTION	PRICE
HMS-69110	Dry Ice Packaging	\$30.33



UN4GV-32

173.13 PACKAGING KIT

This UN performance-tested packaging has been designed in accordance with 49 CFR 173.13. You may ship Class 3, 8 and 9 and Division 4.1, 4.2, 4.3, 5.1, and 6.1 (except for material that meets the definition of poisonous by inhalation) in this package without labels, placards or extra exemption paperwork. Kit includes paint can and ring lock, inner and outer fiberboard boxes, absorbent material, liner bag and tape. Find more sizes and capacities on labelmaster.com.

PRODUCT NUMBER	DESCRIPTION	PRICE
UN4GV-32	173.13 Packaging, 1 x Kit, 32 oz.	\$20.59

LITHIUM BATTERY SHIPPING PRODUCTS



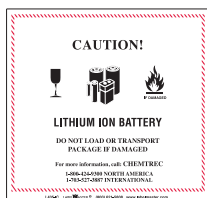
UA1PAB



KWRAP212ABA



KLITDRM8



L435-IC



L20R



HML9



IATA0025



DGISLBA

BATTERY PARTS BOXES

Safely ship lithium batteries and other solid hazardous materials by all modes of transport with Labelmaster's Lithium Battery/Air Bag Shippers. UN-tested, this packaging meets the requirements of Procedure 1A – just place your lithium battery inside the provided plastic liner bag, fill void spaces with anti-static Bubble Wrap® (sold separately), and you're ready to ship.

PRODUCT NUMBER	DESCRIPTION	PRICE
UA1PAB	Lithium Battery/Air Bag Shippers, 16" x 11 1/4" x 9"	\$7.81
UA1PABLG	Lithium Battery/Air Bag Shippers, 24" x 12" x 10"	\$8.95
UA1DABSM	Lithium Battery/Air Bag Shippers, 14" x 11" x 7"	\$5.88

PRODUCT NUMBER	DESCRIPTION	PRICE
KWRAP212ABA	Anti-Static Bubble Wrap®, Medium Duty in Box, 12" x 100'	\$52.51

LITHIUM BATTERY SHIPPERS

Ship lithium batteries safely and stay in compliance with Labelmaster's 10-Gallon Lithium Battery Packaging, designed to minimize the risk of fire hazards when paired with Anti-Static Bubble Wrap® (sold separately).

PRODUCT NUMBER	DESCRIPTION	PRICE
KLITDRM8	Lithium Battery Shipper, 8-Gallon	\$86.32

CHEMTREC® LITHIUM BATTERY HANDLING LABELS

Safely transport your lithium ion batteries by air with Labelmaster's Lithium Battery Handling Labels preprinted with CHEMTREC® emergency contact information. These 120mm x 110mm labels are constructed of semi-gloss paper. Imprinted with North American and international phone numbers, these labels are in stock and ready to ship. Only companies registered with CHEMTREC are authorized to use these labels.

PRODUCT NUMBER	DESCRIPTION	PRICE
L435-IC	Chemtrec Lithium Ion Battery Handling Label, 120mm x 110mm, Paper	\$69.57

CARGO AIRCRAFT ONLY LABELS

PRODUCT NUMBER	DESCRIPTION	PRICE
L20R	Cargo Aircraft Only Label, Paper, Roll of 500	\$46.00

MISCELLANEOUS DANGEROUS GOODS LABELS

PRODUCT NUMBER	DESCRIPTION	PRICE
HML9	Miscellaneous Dangerous Goods Label, Paper, Roll of 500	\$38.10

IATA LITHIUM BATTERY HANDLING GUIDE

This CD includes everything you need to safely and efficiently prepare lithium battery shipments in compliance with international air transport regulations, including animated packing examples, sample checklists, examples of marking and labeling of packages, and example of completed documentation for the different packaging scenarios. Visit labelmaster.com for more details.

PRODUCT NUMBER	DESCRIPTION	PRICE
IATA0025	IATA Lithium Battery Shipping Guidelines 2016 CD	\$199.00

LITHIUM BATTERY ADVISOR

The Lithium Battery Advisor was developed to simplify the complicated process of shipping lithium batteries. Simply answer a few questions about your battery or device, such as what type of lithium battery is being shipped or whether the battery is contained in equipment. Then a guidance document is produced for your shipment. You'll have the information needed to transport your shipment safely and compliantly.

PRODUCT NUMBER	DESCRIPTION	PRICE
DGISLBA	Lithium Battery Advisor, One User License	\$119.00

HAZCOM 2012 COMPLIANCE PRODUCTS



HZRS642

GHS/SDS BINDERS AND ACCESSORIES

PRODUCT NUMBER	DESCRIPTION	PRICE
HZRS102	HCS/GHS SDS Wire Binder Basket	\$36.55
HZRS640	GHS SDS Binder, English, 3" White	\$33.75
HZRS641	GHS SDS Binder, English, 1 1/2" Yellow	\$24.50
HZRS642	GHS SDS Binder, English, 2 1/2" Yellow	ON SALE \$31.35
HZRS643	GHS SDS Binder, English, 3" Yellow	\$33.75
HZRT828	HCS/GHS SDS Podium	\$323.70

PARTIALLY COMPLETED AND BLANK DRUM LABELS

These labels include the DOT Hazard Class diamond with room for you to print your own information using your PC and printer. Diamond options include Flammable Liquid, Dangerous When Wet, Oxidizer, Toxic and Corrosive.



DV810Y-FLA

PRODUCT NUMBER	DESCRIPTION	QUANTITY	PRICE
DV810BNK	Laser Imprintable Vinyl Drum Label, 8 3/8" x 10 7/8" Blank	250	\$107.30
DV810Y-COR	Laser Imprintable Vinyl Drum Label, 8 3/8" x 10 7/8" Corrosive	250	\$145.68
DV810Y-DAN	Laser Imprintable Vinyl Drum Label, 8 3/8" x 10 7/8" Dangerous	250	\$145.68
DV810Y-FLA	Laser Imprintable Vinyl Drum Label, 8 3/8" x 10 7/8" Flam Liquid	250	\$145.68
DV810Y-OX	Laser Imprintable Vinyl Drum Label, 8 3/8" x 10 7/8" Oxidizer	250	\$145.68
DV810Y-TOX	Laser Imprintable Vinyl Drum Label, 8 3/8" x 10 7/8" Toxic	250	\$145.68



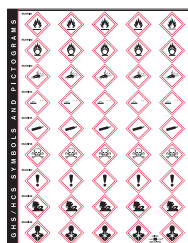
SMGN00S

ONLINE HCS/GHS TRAINING PROGRAMS

PRODUCT NUMBER	DESCRIPTION	PRICE
SMGN00S	ShipMate® Online HCS/GHS Training Program, English	\$99.00
SMGNS00S	ShipMate Online HCS/GHS Training Program, Spanish	\$99.00

GHS TRAINING

PRODUCT NUMBER	DESCRIPTION	PRICE
GHISTRNPST1	GHS Training Poster, Laminated Paper	\$28.00
GHISTRNWC1	GHS Label Wallet Cards, Laminated Paper, English	\$10.00
GHISTRNPST2	GHS Training Poster, SDS, Laminated Paper	\$28.00
GHISTRNTC3	GHS Label Training Cards, English	\$2.00



GHISMLC

GHS LABELS

PRODUCT NUMBER	DESCRIPTION	PRICE
GHISMLC	GHS Pictogram Label Assortment Mini	\$14.50
GHIS0106	Laser Label, Vinyl, 8 3/8" x 10 7/8", 1 per sheet	\$24.50

STANDARD HAZCOM LABELS

PRODUCT NUMBER	DESCRIPTION	QUANTITY	PRICE
HMIS0003	Standard Hazcom (HMIS) Label, 4" x 4", Paper	500	\$32.50
HMIS0005	Standard Hazcom (HMIS) Label, 1" x 2", PVC-Free Film	500	\$28.20
HMIS0006	Standard Hazcom (HMIS) Label, 2" x 2", PVC-Free Film	500	\$36.20
HMIS0007	Standard Hazcom (HMIS) Label, 4" x 4", PVC-Free Film	500	\$57.00
HMIS0008	Standard Hazcom (HMIS) Label, 4" x 6", PVC-Free Film	500	\$98.60
HMIS0039	Hazcom (HMIS) Pin-Feed Label, 4" x 4 7/8", 2 Across Paper	500	\$69.70



HMIS0003

OTHER HELPFUL PRODUCTS

SHOCKWATCH 2®

NEW AND EXCLUSIVE TO LABELMASTER!

Easily monitor your shipments for damage due to mishandling with the new ShockWatch® 2 Field Armable Indicators. ShockWatch® 2 impact indicators are single use, go/no-go devices that determine if fragile products have been dropped during transit or in storage. The indicators are field-armable, tamperproof devices that turn bright red when an impact beyond a specific threshold has occurred. Each ShockWatch® 2 has a unique identifier to support traceability. Sold per pack of 100.



PRODUCT NUMBER	DESCRIPTION	PRICE
SW45000K	Shockwatch® 2 Damage Indicator, 5G, Field Armable	\$195.00
SW46000K	Shockwatch® 2 Damage Indicator, 10G, Field Armable	\$195.00
SW47000K	Shockwatch® 2 Damage Indicator, 15G, Field Armable	\$195.00
SW48000K	Shockwatch® 2 Damage Indicator, 25G, Field Armable	\$195.00
SW49000K	Shockwatch® 2 Damage Indicator, 37G, Field Armable	\$195.00
SW50000K	Shockwatch® 2 Damage Indicator, 50G, Field Armable	\$195.00
SW51000K	Shockwatch® 2 Damage Indicator, 75G, Field Armable	\$195.00



G-35CSS-BU

CABLE SEALS

PRODUCT NUMBER	DESCRIPTION	PRICE
G-35CSS12-BU	3.5mm 12" Cable Seal - Stock - Blue, Box of 100	\$154.85
G-35CSS12-RD	3.5mm 12" Cable Seal - Stock - Red, Box of 100	\$154.85



G-ST5-RD

TRUCK SEALS

PRODUCT NUMBER	DESCRIPTION	PRICE
G-ST5-BU	8 1/4" Truck Seal - Stock - Blue, Case of 1000	\$135.25
G-ST5-RD	8 1/4" Truck Seal - Stock - Red, Case of 1000	\$135.25



G-PSB-GN

BOLT SEALS

PRODUCT NUMBER	DESCRIPTION	PRICE
G-PSB-GN	Premium Snap Bolt Seal - Stock - Green, Box of 100	\$139.65
G-PSB-RD	Premium Snap Bolt Seal - Stock - Red, Box of 100	\$139.65



K997005YEL

UTILITY KNIVES

PRODUCT NUMBER	DESCRIPTION	QUANTITY	PRICE
K954844B	Easy Cut™ Utility Knife, Blue	Each	\$8.20
K997005YEL	Easy Cut™ 2000 Utility Knife, Yellow	Each	\$10.20



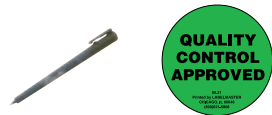
PSRDT Z-PSR2



ZEZ19-82 LQMR



LT196U L71



SF30R BLT21



F07L



L500



L525



GSI500121

MARKING PRODUCTS

PRODUCT NUMBER	DESCRIPTION	PRICE
PSRDT	Environmentally Hazardous Substance Marking 273mm x 273mm, Removable Vinyl, Pack of 25	\$23.75
Z-PSR2	Flammable Liquid Placard, Worded, Removable Vinyl, Pack of 25	\$23.75
ZEZ19-82	Miscellaneous Dangerous Goods Placard UN 3082, EZ Removable Vinyl, Pack of 25	\$52.50
LQMR	Limited Quantity Marking, Removable Vinyl, Pack of 25	\$21.83
LT196U	Hazmat Shipping Paper Tab, 2" x 3/4", Roll of 500	\$34.02
L71	Fragile Label, 4" x 4", Roll of 500	\$38.00
SF30R	Fine Point Labelmaster® Marker, Sold individually	\$2.85
BLT21	Quality Control Approved Label, 2" Dia., Roll of 500	\$40.80

SHIPPER'S DECLARATION FORMS

PRODUCT NUMBER	DESCRIPTION	PRICE
F07LB	Shipper's Declaration for Dangerous Goods Form, Laser Blank, 8 1/2" x 11", Pack of 100	\$26.68
F07L	Shipper's Declaration for Dangerous Goods Form, Laser No Columns, 8 1/2" x 11", Pack of 100	\$26.68

REVERSE LOGISTICS PRODUCTS

REVERSE LOGISTICS HIGHWAY TRANSPORT MARKINGS

Help ensure your compliance when shipping hazardous materials in limited quantities from a retail location back to the manufacturer, supplier or distribution facility with Labelmaster's Reverse Logistics Highway Transport Markings. Developed to help comply with 49 CFR 173.157, these markings can be used on retail reverse logistics highway shipments of limited quantities shipped through a private carrier. Sold in rolls of 500.

PRODUCT NUMBER	DESCRIPTION	PRICE
L500	Reverse Logistics Highway Transport Only Under 49 CFR 173.157 Marking, 5" x 3", Paper	\$36.45
L525	Reverse Logistics Highway Transport Only Under 49 CFR 173.157 Marking, 3" x 2", Paper	\$28.27

49 CFR PUBLICATION, PARTS 105-180

Stay on top of all the new and proposed Federal Register changes affecting hazmat transportation (including reverse logistics) with Labelmaster's GSI 49 CFR Publication, Quarterly Updated, July 2016 Edition. Designed for ease of use with highlighted changes, large type and a clear index, this standard-bound reference is sold individually.

PRODUCT NUMBER	DESCRIPTION	PRICE
GSI500121	GSI 49 CFR Publication, Quarterly Updated, July 2016 Edition	\$71.50

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