

**NEW LABEL AND
PLACARD REGS
ARE COMING**

VOLUME

07

**DANGEROUS
GOODS
REPORT**

INSIGHTS ON HAZMAT ISSUES
OCTOBER 2016

**ARE YOU
READY FOR THE
BORDER
PATROL?**

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DG SYMPOSIUM RECAP

PG 9
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HOW CONFIDENT ARE YOU?**

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INFOGRAPHIC: IATA

SAVE UP TO
15%
ON SELECT ITEMS
DETAILS INSIDE

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

Dangerous Goods compliance is about nailing the details—even when those details seem trivial. The better you handle the details, the more confident you can be in your operation's safety and efficiency.

In this issue of the *Dangerous Goods Report*, you'll examine the new HM-215 regulations down to the millimeter. You can also take our DG Confidence Assessment to see how your company stands up to the competition in compliance processes and automation. You'll get a sneak preview of all the new 2017 IATA amendments for Dangerous Goods air transport, and revisit some of the sharpest insights and strongest opinions from September's Dangerous Goods Symposium.

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 labelmaster.com/blog.



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.



MAINTAIN COMPLIANCE

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.



HM-215: ARE YOU READY FOR THE BORDER PATROL?

New border measurements for labels and placards may cause headaches for unprepared DG shippers

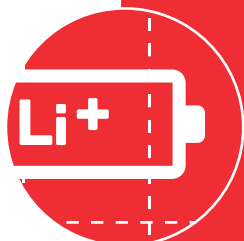
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ARE YOU READY FOR THE BORDER PATROL?

Changes to label and placard
borders are coming

When the final rule HM-215M was published on January 8, 2015 in the *Federal Register*, shippers of Dangerous Goods/hazmat had a lot of reading to do—95 pages of nine-point type that described a wide range of changes throughout 49 CFR Part 171 through Part 180.

The rule is intended to harmonize U.S. requirements with the UN Model Regulations, ICAO and IMDG code changes. The first deadline for compliance is coming up on January 1, 2017. However, there is a Notice of Public Rulemaking (NPRM) for HM-215N that's in the works—which may move the deadline out another two years to January 1, 2019.

And here's where it gets complicated. As far as the rest of the world is concerned, the deadline will still be January 1, 2017. So for domestic flights in the U.S. via an IATA carrier (because they follow ICAO rules), the regulations will be in effect. Ask your carriers if they will still accept packages that do not comply with HM-215M after January 1, 2017.

In any case, these new regulations have the potential to cause serious headaches for DG shippers who aren't prepared.

MEASURING UP

Among the clarifications regarding exemptions for marine pollutants and extensive revisions to the Hazardous Materials Table data—especially absorbed gasses, safety devices (e.g., airbag inflators) and asbestos—there were two provisions in HM-215M that affect literally every regulated DG shipment in the U.S. across every mode of transportation.

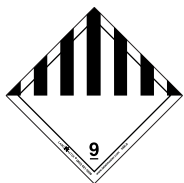
They specified border measurements for labels and placards. Here's the relevant text:

§172.407 LABEL SPECIFICATIONS.



(c) Size. (1) Each diamond (square-on-point) label prescribed in this subpart must be at least 100 mm (3.9 inches) on each side with each side having a solid line inner border 5 mm inside and parallel to the edge. The 5 mm measurement is from the outside edge of the label to the outside of the solid line forming the inner border. The width of the solid line forming the inner border must be at least 2 mm.

§172.519 GENERAL SPECIFICATIONS FOR PLACARDS.



(c) Size. (1) Each diamond (square-on-point) placard prescribed in this subpart must measure at least 250 mm (9.84 inches) on each side and must have a solid line inner border 12.5 mm inside and parallel to the edge. The 12.5 mm measurement is from the outside edge of the placard to the outside of the solid line forming the inner border.

It might seem like a small change. What's a millimeter here or there? Is having a border 5 mm from the edge of a label going to save lives, whereas a border 4 mm in would lead to certain disaster, death and mayhem? Probably not, but that millimeter difference could mean the difference between your shipment being accepted or rejected.

Labels and placards are the first things inspectors see when reviewing a shipment. This rule provides them with one more potential reason to hold up your shipment. And delayed shipments mean lost revenue, missed opportunities and unhappy customers.

WHAT DOES A DELAY REALLY COST?



Have you ever wondered just what a delayed shipment can cost your business? Check out our Frustrated Shipment Cost Calculator (labelmaster.com/frustrated-shipments) and see how a little detail—like a label that is out of compliance—can have a big impact on your profitability.

And then there are the fines. The DOT recently upped the maximum penalties for knowingly violating the requirements of the federal hazardous material transportation law to \$77,114 for each violation (\$178,933 if the violation results in death, serious illness or severe injury to any person or substantial destruction of property).

WHAT'S THE BOTTOM LINE?

If you're using Labelmaster placards and labels, you're all set. You're already compliant and don't have to lift a finger. If you're not, it might be a good time to start before these provisions of HM-215M become effective on New Year's Day 2017 (or 2019 if the proposed extension goes through, but still required in 2017 on domestic flights via an IATA carrier). You may be risking delayed shipments, fines and more.



Visit labelmaster.com/placardfinder and labelmaster.com/labelfinder to quickly source the HM-215M-compliant products you need for your next shipment!

As always, Labelmaster is here to help with (fully compliant) labels and placards and answers to your compliance questions!



2016 DANGEROUS GOODS SYMPOSIUM

Chicago is a sweet home indeed
for the biggest DGS yet!

More than 200 Dangerous Goods practitioners gathered in downtown Chicago September 7–9 for the biggest, most intense DG Symposium yet.

For newbies and long-time veterans alike, #DGS16 was an eye-opening experience.

Here are some highlights:

DAY 1

By 1:00 on the event's first afternoon, DGS had the atmosphere of a campfire.

Well, okay, there was no actual campfire. (What would OSHA say?) But several hazmat trainers shared the kind of scary stories they'd tell around a campfire, with the "moral" for each story going up on a big DO THIS or DON'T DO THAT board.

Later, Labelmaster's VP of Regulatory Affairs Bob Richard—a former PHMSA regulator—discussed "What to Do When the Hazmat Enforcement Inspector Comes Knocking."

DAY 2

Dangerous Goods attorney Jerry Cox opened the day with a message about the importance of DG compliance, and closed the day with a spirited rebuke of the U.S.

Department of Transportation for imposing steep penalties on people who commit violations without the knowledge that they've done anything wrong.

In between, a distinguished panel of air transport experts discussed upcoming regulations and the paradigm shift behind competency-based training.

DAY 3

Friday morning's lithium battery panel included views from regulators, shippers, battery makers and businesses like Labelmaster who aim to keep battery shipments moving compliantly.

We heard sharp insights, strong opinions, good-natured disagreement and an overwhelming consensus toward balancing public safety and business sanity within an imperfect system. It was a grand finish to the best DG Symposium yet.



Bob Richard speaks on Day 3



WHAT THEY SAID ABOUT THE

2016 Dangerous Goods Symposium

"I think it's the ultimate conference. What Labelmaster brings to the table is absolutely unlike any other event I go to."

Sonia Irueta, Hazardous Material Compliance, Inc.

"I've received a lot of information specific to training that I wouldn't get from any other source. Labelmaster's done a really good job to help trainers be better trainers."

Jay Johnson, Inmark

"I like the open forum where people can ask questions. You realize there are other people out there who have similar issues."

Irena Mayne, Monarch Regulatory Services, Inc.

"Not only do you learn, but you get to meet other people from all walks of life and different jobs."

Gary Tung, United Airlines

"You have manufacturers, shippers, redistributors, the carriers, attorneys, PHMSA, IATA—so if you have a question, you have access to ask that person on a one-to-one basis."

Erin Gaul, Geodis

"I'm gushing about this event. I've had such a great time. Everybody's been awesome."

Angela Trupo, MPI Research, Inc.

View presentations from the 2016 DG Symposium (and stay tuned for information about DGS 2017) at labelmaster.com/symposium.

MADE YOU LOOK!

10% OFF THESE FLOOR SIGNS!

Get workers' attention and keep them safe with these unmissable floor decal signs:



Caution Forklift Traffic
8" diameter, Slip-Gard™
HMFS0308



Stop Sound Horn Proceed Slowly
17" diameter, Slip-Gard™vi
HMFS705

Choose from more than 70 bold, colorful floor signs at labelmaster.com/floor-signs.

GET YOUR SDS TOGETHER—AND SAVE 15%!

Stay GHS-compliant with these sturdy Safety Data Sheet organizing tools:

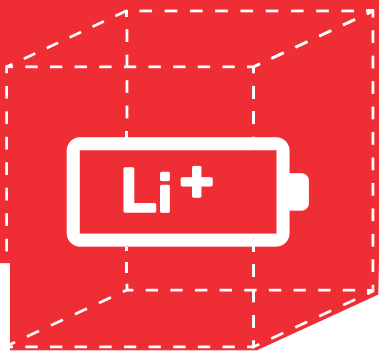


Safety Data Sheets Center
20" x 15"
HZRS409



SDS Storage Cabinet Kit
HZRS389

Find everything you need for GHS and hazcom compliance at labelmaster.com/ghs-products.



Ship damaged lithium ion batteries in a fiberboard box? **YES, YOU CAN!**

Safely shipping damaged lithium ion batteries and cells, or equipment containing them, has always required expensive non-fiberboard packaging with absorbent cushioning material. **Until now.**

Labelmaster now offers a new option that lets you ship such products via ground, based on a special permit from the Department of Transportation that grants relief from 49 CFR §173.185(f) requirements.

The special permit also authorizes small cells and batteries to be shipped in fiberboard packagings without having to declare them as Class 9 fully regulated shipments—a big advantage when return shipments are sent by consumers and retail employees.

Ask your account manager about Special Permit Packaging for damaged lithium ion batteries or call 800.621.5808 to learn more.

HOW DOES IT WORK?

You can send this Special Permit Packaging as return kits to consumers and retail employees, with detailed closure, packing and shipping instructions. It can be used for:

- ◆ Road and domestic sea transport only
- ◆ Lithium ion cells under 20 Wh
- ◆ Lithium ion batteries under 100 Wh

Packaging must be prominently marked with:

- ◆ The lithium battery handling label
- ◆ A battery safety document
- ◆ The words, "DO NOT TRANSPORT BY AIR – GROUND SHIPMENT ONLY, DAMAGED/DEFECTIVE LITHIUM ION BATTERY."

Labelmaster offers both custom and in-stock packaging that complies with this special permit.

GOT SPILLS?

YOU'LL WANNA BANK ON YOUR DRUMS ALL DAY.

SAVE 15%

Tackle on-the-job spills with these durable, highly visible spill drums and kits, with capacities from 20 gallons to 110 gallons. Made from 100% polyethylene that will not rust or degrade, these drums and kits are economical and indispensable.



KSKA95R

95-Gallon Hazmat Absorbent Salvage Drum Overpack™ Spill Kit
Includes pads, gloves, socks, wipes and twist-on lid



KSKA20R

20-Gallon Universal Absorbent Salvage Drum Spill Kit
Includes pads, gloves, socks, wipes and twist-on lid



KP-2000

20-Gallon or 110-Gallon Salvage Drums Poly-Overpack™
Tough, nestable and lightweight



KM1100P

From absorbents to pallets to complete kits, find all your hazmat spill containment needs at labelmaster.com/spill.



If you're a sports fan, you can tell the most successful teams from the weaker ones before they even start playing. What's the difference? **Confidence.**

The members of the winning team have full confidence in each other to execute their roles. Teams that lack confidence look like any small setback can send them into full panic mode.

Dangerous Goods compliance is the same way. **When your team has the infrastructure and knowledge in place to adapt to regulatory changes, you're calm and in control.** You know your shipments are fully compliant and safe.

If you're not confident in your DG compliance? Panic is right around the corner.

31% OF SHIPPERS surveyed do not believe their companies have the right technology in place to meet emerging regulations.*

TAKE THE DG COMPLIANCE CONFIDENCE ASSESSMENT

The best way to raise your company's confidence level is through systematic assessment and process improvement.

You can start with this quick quiz.

- Answer the following nine questions with a number from 5 down to 1:*
- 5: Yes—with strong confidence
 - 4: Yes—but may be missing elements
 - 3: Not sure—depends on the situation
 - 2: No—we definitely need some help
 - 1: No—and this question is making me sweat

Add up your answers and see how your company compares to the best-in-class compliance and safety organizations.

1. I can validate the compliance of all my organization's DG/hazmat shipments. ____
2. I can validate the compliance of DG/hazmat shipments made by my suppliers, business partners and customers. ____
3. We have consistent processes for packaging, labeling and documentation for outgoing shipments across my entire organization. ____
4. Compliance responsibility is clearly defined and communicated to all groups, divisions and locations throughout my organization. ____
5. I stay up to date on all new and changing regulations. ____
6. All our required regulatory documents are up to date and in appropriate locations. ____
7. Our training plans and records are complete, accurate and easily located. ____
8. We have a clearly defined readiness metric for incidents and employee safety issues. ____
9. We have identified and taken steps to address the vulnerabilities that could lead to penalties and civil liability legal actions resulting from an incident, injuries or environmental damage. ____

TOTAL:

Turn the page to see what your score means.

WHAT YOUR TOTAL SCORE MEANS:

1-10: At risk—You are probably failing to comply with several DG rules and regulations, and any of these violations can spell disaster for your reputation or bottom line.

11-20: Room for improvement—Your facility may have volumes of regulatory books, but consider a comprehensive offering of industry-leading compliance software, products and services.

21-30: On the right track—Is all your shipment documentation accurate and in the correct location? You can still identify and address potential vulnerabilities within your operations.

31-40: Ahead of the pack—Get a competitive edge with a fully integrated suite of software, electronic and print regulatory materials and consulting services that trim costs while keeping risk in check.

41-45: Compliance leader—Your company just flat-out gets it. You're compliant, cost-efficient and ultra-competitive. Confident? You could teach this stuff.

81% OF SHIPPERS
believe their C-suite underestimates the
business impact of shipping compliance.*



A TIGHTER GRADE OF PAIL

SAVE 15%

Our three types of screw-top pails have secure lids to keep contents inside and contaminants outside. Made with high density polyethylene, they meet U.S. DOT, ICAO and IMO standards.



Life Latch® UN Pail
w/Screw-Top Lid,
3 Gal. Solids Only
K3GALSSL



Liquids UN Certified
Screw-Top Pails and Lids
K5GALSL



Life Latch® New Generation Screw-
Top Pails and Lids, Tamper Evident
KNG312GALSS

See our complete assortment of jerricans and steel and plastic pails at labelmaster.com/pails.

GETTING FROM HERE TO THERE

Now that you know where your company stands on the compliance confidence scale, how do you improve?

The first and most critical step is making sure your highest executives understand that **complete DG compliance isn't just following a bunch of rules** to avoid the occasional fine.

You can overcome the attitude that fines and delays are just a cost of doing business by pointing out other potential costs of non-compliance:

- Carriers eventually getting fed up and refusing your business
- Angry customers finding new suppliers
- Negative press from the discovery of safety violations and, of course...
- Property damage, injuries, deaths and the attendant lawsuits.

Stress that compliance is a competitive differentiator that will improve visibility, burnish your company's brand and deliver real business value.



62% OF SHIPPERS said their companies have already begun to merge roles and responsibilities between OSHA and DOT.*

Once the C-suite has bought in, here are a few specific steps you can take to start the transformation:

- **Appoint a high-level champion** to drive the project, secure funding, map out a plan and hold participants accountable. This person can even be you.
- **Create a cross-functional team**—including IT, EHS, and supply chain and logistics management—responsible for DG transport, packaging and shipping.
- **Communicate your commitment** to making compliance a core part of your corporate culture. Hold periodic update meetings and cheer team members who meet key goals or benchmarks.

Make sure your commitment also reaches your suppliers, dealers, distributors and customers, and be willing to invest in their compliance as well.

It takes time to change attitudes and processes. Your patience and perseverance will be rewarded with a compliance culture across your enterprise.

And your team will have the confident look of a winner.



Stay up to date on the latest regulations with the newest editions of regulatory publications, in digital and print formats, at labelmaster.com/books. Get additional help navigating those ever-changing regulations with expert advice from labelmaster.com/services.

*Source: Labelmaster Industry Compliance Confidence Survey, 2016

ORDER NOW!

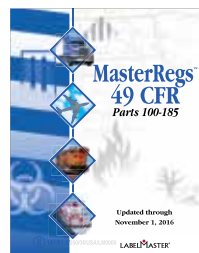
STAY UP TO DATE AND AHEAD OF THE NEW RULES

Air, ground or maritime transport—stay compliant by getting these essential regulatory books as soon as possible.



Early 49 CFR

Available in early November—six months prior to the release of the government 49 CFR, with all the same information as the government release.



MasterRegs™ 49 CFR

Available in December, this reader-friendly version of 49 CFR Parts 100-185 includes samples of compliance shipping papers and much more.



International Maritime Dangerous Goods Code

Available NOW, IMO's 38th Amendment IMDG Code helps you stay on top of the required regulations for shipping Dangerous Goods by vessel.



IATA Dangerous Goods Regulations Manual

Available NOW, the latest version of the IATA DGR manual and other publications keep you compliant with international air transport regulations.



CHANGE IS IN THE AIR!

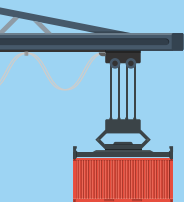


Get up to date on all the changes—get your 2017 IATA DGR today!

IF THERE'S ONE MODE OF TRANSPORTATION THAT TRULY ENABLES THE GLOBAL ECONOMY,
IT'S AVIATION.

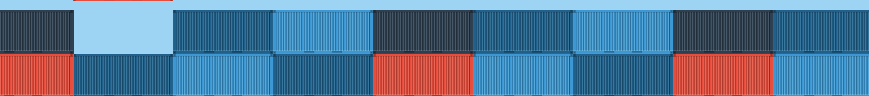


AND IF YOU'VE EVER SHIPPED DANGEROUS GOODS BY AIR,
YOU SHOULD KNOW THE NAME IATA
(the International Air Transport Association).



Of the 2.58 billion tons of hazmat shipped in the U.S. each year,

ONLY 261,000 TONS GO BY AIR.²



While air shipments represent less than 1% of the total tonnage, they account for

~5% OF ALL DANGEROUS GOODS SHIPMENTS.³



In late July, IATA released a document summarizing the changes that will appear in the **58th edition** of the Dangerous Goods Regulations (IATA DGR), which will become **EFFECTIVE ON JANUARY 1, 2017.**



As always, we encourage you to review the upcoming changes for yourself (which you can do at labelmaster.com/blog), but we've highlighted a few of the significant ones here.

See pages 14 and 15 for the latest IATA DGR resources.



CHANGES ON THE FLY

A new paragraph was added (1.2.8.2) that clarifies what happens if the regulations change while your shipment is in transit.

Bottom line—if the shipment was compliant when it left, it's OK through to its destination.



ABSORBING READING

When shipping liquid dangerous goods, section 2.6.5 now allows for the **absorbent material** to be either in the **intermediate packaging** or the **outer packaging**.



BANNED ON PASSENGER AIRCRAFT

Among the changes to the List of Dangerous Goods (4.2), the entry for UN 3480 (lithium batteries) now shows "forbidden" across columns I and J to reflect the April 1, 2016 rule that restricted UN 3480 to Cargo Aircraft Only.

THE LATEST LITHIUM LABELS

All the entries for lithium batteries in the List of Dangerous Goods (4.2) have been revised to indicate the new lithium battery Class 9 label.



**JANUARY 1, 2017
NEW HAZARD CLASS LABEL
COMES INTO EFFECT**



This new hazard class label comes into effect January 1, 2017 with a two-year transitional period during which time the existing Class 9 – Miscellaneous hazard label may still be used.

HEAVY LIFTING

New provisions in section 5.0.1.12 have been added to **allow** (with the approval of the authorities of the States of origin and the operators) for the use of UN specification large packagings for articles that weigh in **excess of 400 kg (880 lbs.)**.



These are just a few of the changes you can expect in the new IATA DGR. There are new provisions for **polymerizing substances** (PI 459), new subsidiary risks assigned to **uranium hexafluoride** (yes, both fissile and non-fissile) (4.2) and new provisions for calculating the **internal pressure of liquefied gasses charged with a compressed gas in a cylinder** (PI 200).

LEARN MORE

Visit labelmaster.com/iata for the latest editions of the DGR and more IATA resources.

LABELMASTER®

SOFTWARE PRODUCTS SERVICES



Strategic Partner



Publication Sales Agent
PLATINUM

Labelmaster is an official IATA Publication Sales Agent. Our teams are ready to help answer any and all questions regarding these changes, and we have the packaging, labels, marks and documentation you need to stay compliant!

¹www.aviationbenefits.org

²http://www.rita.dot.gov/bts/sites/rita.dot.gov/bts/files/publications/commodity_flow_survey/2012/hazardous_materials/table1a

³http://www.phmsa.dot.gov/staticfiles/PHMSA/DownloadableFiles/Files/app_e.pdf

Having the right supplies means handling hazardous materials with confidence, whether you're reading up on the latest regulations or packaging, marking, labeling and securing your shipments. This is just 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 safely and compliantly.



IATA0031

IATA0036



REGULATORY PUBLICATIONS AND SOFTWARE

IATA DGR 58TH EDITION

Recognized by airlines worldwide, the IATA Dangerous Goods Regulations (DGR) is the industry standard for shipping Dangerous Goods by air. The DGR draws from the industry's most trustworthy cargo sources to help you classify, pack, mark, label and document shipments of Dangerous Goods. The DGR includes international Dangerous Goods air regulations, as well as state and airline requirements. More languages and other IATA products available on labelmaster.com/IATA.

PRODUCT NUMBER	DESCRIPTION	PRICE
IATA0031	Standard Bound, English	\$ 318.00
IATA0032	Spiral Bound, English	\$ 329.00
IATA0036	CD-ROM, English	\$ 359.00

EARLY 49 CFR

Printed about 6 months prior to the release of the government 49 CFR, this early version provides the most current regulatory updates. Created with safety and convenience in mind, the Early 49 CFR includes additional features that make it easier to find the information you need, including a 4-digit number cross-reference table, an easy-to-read hazardous materials table, a detailed index to easily find regulations, tabbed sections for easy reference, a "How to Use the CFR" section, color displays of hazmat labels and placards, and much more.



EARLYPBBS2016

PRODUCT NUMBER	DESCRIPTION	PRICE
EARLY0031	Standard Bound	\$42.50
EARLY0032	Spiral Bound	\$53.00
EARLYPBBS2016	Standard Bound with 1-Year USB Drive Subscription	\$75.00
EARLYSBBS2016	Spiral Bound with 1-Year USB Drive Subscription	\$85.00
USB49	USB Drive	\$49.00
WEB49	Online Edition	\$49.00

MASTERREGS™ 49 CFR

Make regulations easier to understand, implement and train others on with this exclusive book from Labelmaster. This reader-friendly version of the 49 CFR Parts 100-185 includes a hazmat table, samples of compliance shipping papers, easy-to-identify updates from the previous edition, and much more. Designed to save you time, the book's unique portrait layout of the hazmat table allows shippers to quickly and easily locate chemical information.



MRSBBS2016

PRODUCT NUMBER	DESCRIPTION	PRICE
490025	Standard Bound	\$47.75
490026	Spiral Bound	\$57.00
MRPBBS2016	Standard Bound with 1-Year USB Drive Subscription	\$79.00
MRSBBS2016	Spiral Bound with 1-Year USB Drive Subscription	\$87.00
USB49	USB Drive	\$49.00
WEB49	Online Edition	\$49.00



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



IMOPBBS2016

IM38N1SS

38TH AMENDMENT IMDG CODE

Published by the International Maritime Organization (IMO), the 38th Amendment of the IMDG Code contains the latest rules and regulations that define the legal transport of hazardous materials by cargo and passenger ships. This two-volume set includes definitions, classifications and specifications for proper packaging, labeling and testing of hazardous materials being transported by ship, while also identifying substances deemed as marine pollutants.

PRODUCT NUMBER	DESCRIPTION	PRICE
IMO0027	2-Vol. Set, English	\$242.50
IMO0028	2-Vol. Set, Spanish	\$242.50
USBIM038	USB Drive	\$350.50
WEBIM038	Web Subscription	\$350.50
IMOPBBS2016	IMDG Code with 2-Year USB Drive Subscription	\$521.50
IM38N1SS	CD-ROM	\$350.50



DGSLBA

LITHIUM BATTERY ADVISOR

The Labelmaster Lithium Battery Advisor software 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. The Lithium Battery Advisor will then produce a guidance document for your shipment that contains useful, relevant information.

PRODUCT NUMBER	DESCRIPTION	PRICE
DGSLBA	Single User License	\$119.00



IATA0061



IATA0055

IATA LITHIUM BATTERIES SHIPPING GUIDELINES 2017

Lithium batteries are the preferred energy source to power a variety of consumer products—from mobile phones, to children's toys, to e-bikes. Lithium batteries are dangerous goods and can pose a safety risk if not prepared in compliance with transport regulations. Let the new IATA LBSG (3rd Edition) guide you step by step through the shipping process. It's everything you need to safely and efficiently prepare lithium battery shipments in compliance with international air transport regulations.

PRODUCT NUMBER	DESCRIPTION	PRICE
IATA0061	IATA Lithium Battery Shipping Guidelines 2017 Book	\$199.00
IATA0055	IATA Lithium Battery Shipping Guidelines 2017 CD	\$199.00

LABELS AND PLACARDS

Quickly find the exact labels and placards you need for your shipments with label and placard finders at labelmaster.com/labelfinder and labelmaster.com/placardfinder.

Below are some of our best-selling HM-215M-compliant labels and placards. Stock up and save! See volume discount price breaks on labelmaster.com.



HML6 / HMSL60



HML13 / HMSL130



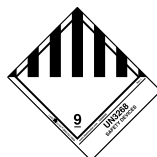
HML9 / HMSL90



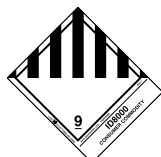
HSN1700



HSN1700ET



HSN8500



HSN4300R



Z-EZ2 / Z-PSR2



Z-EZ4



ZRV81075



ZEZ21263



ZRV21267



ZRV21987



ZEZ91993



ZEZ19-77



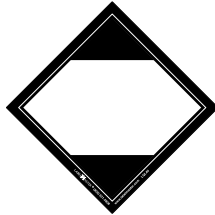
ZEZ19-82

PRODUCT NUMBER	DESCRIPTION	PRICE
HML6	Flammable Liquid Label, Worded, Paper, Roll of 500	\$38.10
HMSL60	Flammable Liquid Label, Worded, PVC-Free Film, Roll of 500	\$94.80
HML13	Corrosive Label, Worded, Paper, Roll of 500	\$38.10
HMSL130	Corrosive Label, Worded, PVC-Free Film, Roll of 500	\$94.80
HML9	Misc. Dangerous Goods Label, Paper, Roll of 500	\$38.10
HMSL90	Misc. Dangerous Goods Label, PVC-Free Film, Roll of 500	\$94.80
HSN1700	Flammable Liquid Label, UN1263 Paint, Paper, Standard Tab, Roll of 500	\$41.50
HSN1700ET	Flammable Liquid Label, UN1263 Paint, Paper, Extended Tab, Roll of 500	\$66.50
HSN8500	Misc. Dangerous Goods Label, UN3268 Safety Devices Label, Paper, Standard Tab, Roll of 500	\$41.50
HSN4300R	Misc. Dangerous Goods Label, ID8000 Consumer Commodity, Paper, Standard Tab, Roll of 500	\$66.50

Z-EZ2	Flammable Liquid Placard, Worded, E-Z Removable Vinyl, Pack of 25	\$18.75
Z-PSR2	Flammable Liquid Placard, Worded, Removable Vinyl, Pack of 25	\$23.75
Z-EZ4	Corrosive Placard, Worded, E-Z Removable Vinyl, Pack of 25	\$18.75
ZRV81075	Flammable Gas Placard, UN 1075, Rigid Vinyl, Pack of 25	\$120.00
ZEZ21263	Flammable Liquid Placard, UN 1263, E-Z Removable Vinyl, Pack of 25	\$52.50
ZRV21267	Flammable Liquid Placard, UN1267, Rigid Vinyl, Pack of 25	\$120.00
ZRV21987	Flammable Liquid Placard, UN 1987, Rigid Vinyl, Pack of 25	\$120.00
ZEZ91993	Combustible Liquid Placard, UN 1993, E-Z Removable Vinyl, Pack of 25	\$52.50
ZEZ19-77	Misc. Dangerous Goods Placard, UN 3077, E-Z Removable Vinyl, Pack of 25	\$52.50
ZEZ19-82	Misc. Dangerous Goods Placard UN 3082, EZ Removable Vinyl, Pack of 25	\$52.50

LABELS AND MARKINGS

Help keep your shipments moving compliantly with these other markings and labels.



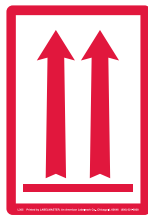
LQL40



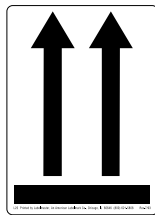
LQMM



SL701



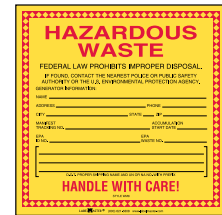
L305



L22



L435P



WM8

PRODUCT NUMBER	DESCRIPTION	PRICE
LQL40	Limited Quantity Label, Blank, 100mm x 100mm, Paper, Roll of 500	\$41.90
LQMM	Limited Quantity Label, Blank, 50mm x 50mm, Paper, Roll of 500	\$35.00

SL701	Environmentally Hazardous Substance Marking, 100mm x 100mm, Permanent Vinyl, Roll of 500	\$99.54
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L305	Red Orientation Marking, Paper 2 ¹⁵ / ₁₆ " x 4 ¹ / ₈ ", Paper, Roll of 500	\$50.00
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L22	Black Orientation Marking, Paper, 3 ¹ / ₄ " x 4 ¹ / ₂ ", Paper, Roll of 500	\$50.00
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L370	Overpack Label, Paper, Roll of 500	\$50.00
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L435P	Personalized Lithium Battery Handling Label, 120mm x 110mm, Paper, Roll of 500	\$77.30
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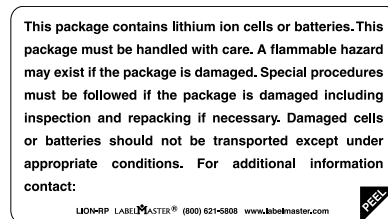
LION-RP	Personalized Peel Away Document: Contains Lithium Ion Cells or Batteries, Dry Release Paper, Roll of 500	\$61.50
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WM8	Standard Waste Label, Stock PVC-Free Film, 6" x 6", Pack of 100	\$46.30
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WM8P	Personalized Standard Waste Label, PVC-Free Film, 6" x 6", Pack of 25	\$20.30
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L370



LION-RP

PACKAGING

Special Permit Packaging for Damaged Lithium Ion Batteries

Call us for more information at **800.621.5808**.

4GV BOXES



UN4GV9

These UN-certified boxes, also known as Variation Two boxes, are suitable for Packing Groups I, II and III liquids or solids. Made of 200# SW or 275# DW corrugated fiberboard, they have been designed, tested and certified in accordance with 49 CFR, ICAO, International Air Transport and IMDG/IMO requirements. They can also be used to ship items such as machine parts and batteries, making you compliant with ISTA Procedure 1A. Find more sizes on labelmaster.com.

PRODUCT NUMBER	DESCRIPTION	PRICE
UN4GV9	4GV Box, I.D. 9 ¹ / ₈ " x 9 ¹ / ₈ " x 9 ¹ / ₂ "	\$6.14
UN4GV11	4GV Box, I.D. 11" x 11" x 11 ¹ / ₂ "	\$7.62
UN4GV10	4GV Box, I.D. 10 ³ / ₄ " x 10 ³ / ₄ " x 15 ³ / ₄ "	\$7.94
UN4GV19C	4GV Box, I.D. 19" x 19" x 19"	\$10.77

LITHIUM BATTERY SHIPPERS



UA1PAB

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
UA1DABSM	Lithium Battery/Air Bag Shippers, 14" x 11" x 7"	\$5.88
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

GLASS SHIPPING KITS



UN326APTU

These are suitable for Packing Groups I, II and III liquids, and meet ISTA Procedure 1A requirements. The bottle features a PVC coating that offers added protection in case of breakage, and both the bottles and caps have passed hydrostatic pressure tests up to 95 kPa. The kits come unassembled and include six 32-oz. bottles, phenolic caps with Polyseal® polyethylene cone liner, corrugated insert and pads, liner bags, tape and UN-marked fiberboard box. Find more shipping kits on labelmaster.com.

PRODUCT NUMBER	DESCRIPTION	PRICE
UN326APTU	6 32-oz. Narrow Mouth Bottles, Unassembled, Corrugated	\$75.76

OTHER HELPFUL PRODUCTS

PLASTIC SEALS



P-20-RD

Ideal when you need seals in a hurry, in-stock red plastic seals are consecutively numbered and imprinted with Labelmaster®. Perfect for use on doors, gates, totes and trunk boxes.

PRODUCT NUMBER	DESCRIPTION	PRICE
P-20-RD	Case of 1,000	\$210.00

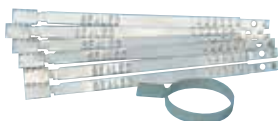


MCL-99-24

CABLE SEALS

This silver heavy-duty 1.6mm cable seal is 24" long with a tensile strength of 500 lbs. Suitable for use on doors, meters, cargo and drums, apply the easy-to-use cable by pulling up tight. Print one line with up to 8 spaces, plus one line of consecutive numbers up to 7 digits. Specify your personalized information when ordering.

PRODUCT NUMBER	DESCRIPTION	PRICE
MCL-99-24	Box of 100	\$321.00



TS-8

METAL SECURITY SEALS

This heavy-duty metal security seal is 8½" long x 5/16" wide with a tensile strength/pull-apart force of 125 lbs. Personalize the seals with your company name (up to 17 spaces) and consecutive numbering (up to 7 digits) embossed into the metal bands. Specify your information when ordering.

PRODUCT NUMBER	DESCRIPTION	PRICE
TS-8	Case of 1,000	\$185.00



MTH1000

WIRE SECURITY SEALS

This wire security seal with 2 holes measures 12" and is constructed of lightweight aluminum with a tensile strength of 30 lbs. Perfect for use in place of lead seals because of weight, temperature or conductivity factors. Security seal applies with a 5" Bulldog Seal Press (sold separately).

PRODUCT NUMBER	DESCRIPTION	PRICE
MTH1000	Case of 1,000	\$410.00



TNTR

TIP-N-TELL

Save time and money bringing transportation damage claims to a quick resolution with Tip-N-Tell Damage Indicators. Their blue arrowhead provides a visual indication when a package has been tipped over during transportation and handling. The clear plastic Tip-N-Tell label with plastic pull pin includes receiver warning labels for package and bill of lading.

PRODUCT NUMBER	DESCRIPTION	PRICE
TNTR	Case of 100	\$135.71



CM25132F

COLDMARK™ FREEZE INDICATOR, 32°F/0°C

Save time and money having to investigate possible temperature damage to your shipments with ColdMark™ Freeze Indicators. These are tamper-proof and show when your products have been exposed to cold temperatures for more than 30 minutes during transport. Simply peel the release liner off the back and the pressure-sensitive adhesive quickly adheres to any dry surface inside or outside the packaging container. Their colorless bulb turns an irreversible violet color once the temperature falls below the indicator's response temperature. Measure 3¼" x ¾" x 3/8", are activated at 32°F and are sold in packs of 100. More styles available on labelmaster.com.

PRODUCT NUMBER	DESCRIPTION	PRICE
CM25132F	Pack of 100	\$323.75



SF31R

LABELMASTER MARKERS

Labelmaster Markers are the perfect fit for your on-the-go labeling solution. Ideal for writing on vinyl or coated paper labels, they write on almost any surface and are waterproof, smudge-proof and weather-proof. These low-odor markers dry in seconds, making them ideal for fast-paced environments and left-handed users. Sold individually.

PRODUCT NUMBER	DESCRIPTION	PRICE
SF30R	Fine Point	\$2.85
SF31R	Medium Point	\$2.85
SF15R	Heavy Point	\$2.85

LABELMASTER[®]

SOFTWARE PRODUCTS SERVICES

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07

**DANGEROUS
GOODS
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INSIGHTS ON HAZMAT ISSUES
OCTOBER 2016



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