

# DANGEROUS GOODS REPORT

ISSUE

10

AUGUST 2018

INSIGHTS ON HAZMAT ISSUES

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**LABELMASTER®**

SOFTWARE PRODUCTS SERVICES

## Welcome to the 10th issue of the *Dangerous Goods Report*

The most forward-thinking organizations, no matter what industry they're in, succeed by turning every segment of their business into a revenue driver.

In the global supply chain, the top organizations make Dangerous Goods compliance a revenue-positive growth engine. This issue of the *Dangerous Goods Report* introduces total value of compliance, the framework that helps businesses realize positive ROI from their compliance programs. We'll also examine how advanced packaging technology simplifies the transport of damaged, defective or recalled lithium batteries and battery devices, and look at the safety considerations driving our new partnership with CHEMTREC®.

As always, we at Labelmaster are here to help you make sense of the ever-changing hazmat transport 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](http://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](http://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](http://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](http://labelmaster.com/services) to learn more.



## THE TOTAL VALUE OF COMPLIANCE

Compliance is not just “a cost of doing business”—it should deliver a positive ROI

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# THE TOTAL VALUE OF COMPLIANCE

## The metrics that make compliant DG shipping a revenue driver

Many Dangerous Goods shippers see hazmat compliance as just a cost of doing business. But some of the world's top shippers view compliance another way—as a value-added component of supply chain operations that contributes to profitability.

These organizations understand—and measure—their total value of compliance. Here's a look at the benefits of this advanced business principle.



## Total value of compliance defined

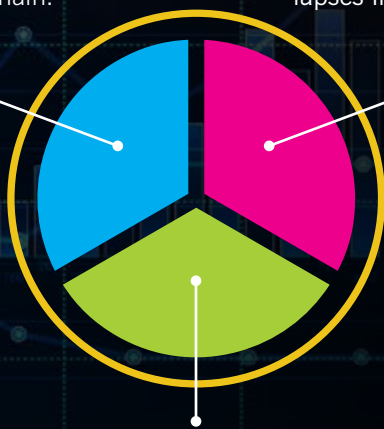
The total value of compliance concept takes into account three factors relevant to any business engaged in Dangerous Goods transport.

### The costs of compliance.

The actual cost of maintaining compliance throughout your supply chain.

### The costs of non-compliance.

The cost of errors or lapses in compliance.



### The revenue opportunities of higher-level compliance.

Opportunities for market leaders to differentiate, increase revenue and speed cash flows.

A comprehensive compliance program can help companies combine reduced costs with increased revenue to ensure that their hazmat operations make a positive contribution to earnings. Let's take a closer look at each factor of the equation.

## THE COSTS OF COMPLIANCE

There's no getting around it—Dangerous Goods compliance requires a financial outlay. The real question is whether an operation is getting the most value out of every dollar. To assess and optimize costs, companies must examine every aspect of their hazmat program across locations, including:

- **People**
- **Hazmat-specific processes**
- **Hazmat compliance products**
- **Supportive software and other technology**
- **Reporting and oversight**
- **Training**
- **Management**

When these costs are hidden in fractured views across a company's sites, verticals, channels, products and accounting reports, it's much harder to optimize cost.

**And then there's the perpetual trade-off between price and productivity**, which is part of every business's procurement process. A compliant shipping operation has to determine whether lower per-unit costs translate into more work.

For instance, if a package for shipping lithium batteries or battery devices costs \$0.50 less per box, but requires three more minutes to assemble and label, the "more expensive" box can actually be less expensive on a per-shipment basis.

Similarly, a technology investment can more than pay for itself through more efficient processes (see sidebar on the next page).

**The costs of compliance can't be calculated simply by adding up your compliance-related purchases.** Hazmat operations have to consider all aspects of cost to make the best decision for their bottom line.





## CASE STUDY:

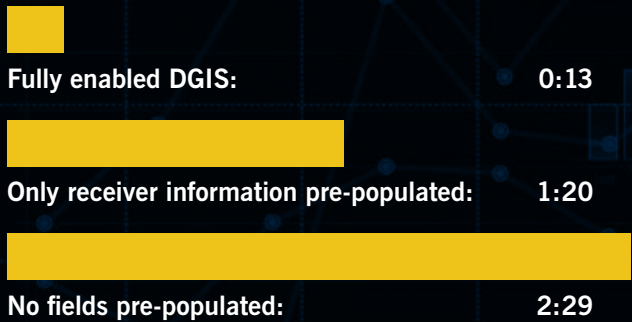
# How DG automation delivers positive ROI

How much time does your hazmat software save you?  
And what's that time worth?

Labelmaster's Dangerous Goods Information System (DGIS) is the industry's most robust, flexible and advanced hazmat shipping software. By validating shipment data against the latest regulations and pre-populating fields with all relevant information, DGIS saves time with every shipping declaration.

How much time? We ran a test.

Scott Brown, Senior Software Account Representative at Labelmaster, recently timed some basic documentation tasks for a recurring shipment using Labelmaster's DGIS system. He then timed the same tasks with some DGIS functionalities disabled, to simulate less sophisticated systems. Here are the averaged results:



Say DGIS saves one minute per shipment over less sophisticated systems. An operation processing 480 shipments a day would need to hire a full-time employee just to complete the documentation.

Brown points out an even bigger DGIS advantage. "DGIS automatically updates whenever regulations change, and it will flag anything non-compliant. That helps you avoid errors that will cause rejected shipments. How much time do you waste fixing those?"

And what about the shippers who use no software at all? "Who has time to go look things up in a grid with dozens of pages? You'll see lots of accidents and mistakes. Every comma has to be correct.

"It's impossible to calculate how much time is wasted."

## THE COSTS OF NON-COMPLIANCE

Another way to boost total value of compliance is by simply reducing the errors and gaps that result in non-compliance.

Some of the costs of non-compliance are obvious—civil penalties, customer fines and remediation for shipments that get flagged by inspectors. **But compliance errors and gaps can trigger a domino effect of more expensive consequences.**

A single compliance error can set in motion:

!	Civil penalties assessed by regulatory bodies
!	Carrier refusal of shipments
!	Customer fines and remediation caused by delays
!	Return shipping costs
!	Disposal of materials from returned shipments
!	Damage or contamination of trailers, tankers, containers or vehicles
!	Replenishing the supply chain to replace seized or damaged items
!	Incident reporting and cleanup costs
!	Higher insurance premiums resulting from failed inspections or incidents
!	Potential liability for damages or injuries
!	Added training, documentation and processes to address the cause of compliance errors
!	Bad publicity from a hazmat-related incident

Don't forget the negative impact non-compliance can have on customer loyalty and the value of a brand. If a small infraction delays a critical shipment in customs, for example, what's the likelihood of that customer turning to a competitor for the next shipment?



## THE REVENUE OPPORTUNITIES OF HIGHER-LEVEL COMPLIANCE

The total value of compliance includes more than just avoiding penalties and delays. Compliance can actually be a revenue driver, because superior compliance makes any organization a more valuable supply chain partner.

Simply stated, **a compliant shipper owns a more potent brand.**

Say superior compliance helps Company A achieve a 99% on-time delivery rate. Company B might consider 95% pretty good, but compared to Company A, they're dropping the ball once every 25 deliveries.

An organization that consistently keeps costs in line throughout the supply chain, regardless of changes in the regulatory environment, elevates its brand's reputation.

Beyond brand reputation, **compliance can open the door to new revenue sources:**

- **New products aligned with regulatory standards from day one**
- **Popular products that other companies, less familiar with Dangerous Goods, may avoid**
- **Joint ventures and other collaborative initiatives**
- **New customers and supply chain partners**

This total value of compliance framework helps many of Labelmaster's clients make Dangerous Goods compliance a powerful, revenue-positive aspect of their businesses.



**How does your operation perform at total value of compliance?**

Ask your Labelmaster account manager or email [tvc@labelmaster.com](mailto:tvc@labelmaster.com) for a FREE custom TVC assessment.



## DANGEROUS GOODS SYMPOSIUM

September 5–7, 2018

Loews Hotel, Rosemont, Illinois

Every year, the Dangerous Goods Symposium brings together the industry's leading shippers, carriers, trainers and regulators. This two-and-a-half-day event features networking opportunities you simply won't get anywhere else, along with:

**The industry's most knowledgeable speakers discussing the global regulatory landscape**

**Breakout sessions and workshops tackling the thorniest DG challenges**

**Results of the latest Global DG Compliance Outlook survey**

**Thursday night's networking event featuring food, drinks and the chance to rub elbows with other industry professionals, regulators and trainers**

No wonder DG pros from every continent make the annual pilgrimage to the DG Symposium. If you're in the business of hazmat transport, you need to be in Rosemont this September.

**REGISTER TODAY AT**  
**[LABELMASTER.COM/SYMPOSIUM](http://LABELMASTER.COM/SYMPOSIUM)**





# Obexion Max revolutionizes recalls

## Remember when battery device recalls were expensive, complicated and time-consuming?



## Advanced materials make packing simple

Whether you're the manager of a big box store shipping hundreds of recalled tablets or a consumer packing a single defective phone, preparing a lithium battery device shipment can be a hassle. Why? It's the packaging.

“Lithium batteries and the devices they power can go into thermal runaway and start extremely dangerous fires,” says Barger. “And it’s much more likely if the battery is damaged or defective. So traditional packaging has focused on adding layer after layer of fire mitigation, which makes the packing process extremely complex.”

Complex and time-consuming: Typical packaging requires putting your device in a bag, in a box, in another box, and in yet another box. You might need to add some gel packs or beads, too.

Obexion Max is different. **Its revolutionary fiberboard (with a single, lightweight heat shield) mitigates the effects of thermal runaway all by itself.**

Obexion Max doesn't just keep flame and heat inside the box—it protects other batteries or devices in the box from damage. Even if one battery or battery in a device goes into thermal runaway, the others will arrive with minimal (if any) damage (see below).



## A REMARKABLE TEST

In a sealed test chamber built to the specifications of the ICAO SAE G-27 draft standards, third edition, we initiated thermal runaway in the middle battery of 20 lithium-ion mobile phone batteries, rated for 24 watt-hours, at 100% state of charge.


The inside temperature rose to more than 1200°F, but the fiberboard box did not catch fire and none of the other batteries ignited.



Watch a video of this remarkable test at [bit.ly/obexionmaxdemo](http://bit.ly/obexionmaxdemo)

## How Obexion Max makes recalls simple

The next time you respond to a recall of lithium-ion batteries or battery-powered devices, think of the advantages you can realize with Obexion Max:

- **Time savings.** You'll save time with every shipment because Obexion Max boxes are pre-assembled and require no gel packs, beads or other loose fillers. Plus, U.S. DOT Special Permit 20432 means your teams need only minimal training.
  - **Cost savings.** Special Permit 20432 lets you ship damaged, defective or recalled lithium-ion batteries and devices in Obexion Max packaging as an excepted (not fully regulated) shipment. You save money with every shipment.
- 
- A photograph showing the components of Obexion Max packaging. On the left is a clear, rectangular plastic container with a red circular mark on its side. To its right is an open, brown cardboard box, showing its interior compartments.



- **Flexibility.** The unique two-sided inner tray inside Obexion Max flips over, giving you the flexibility of shipping a variety of batteries and devices with the same outer box.

These advantages don't just help with recalls—they make Obexion Max useful for consumer returns, too.

Barger points out one more advantage shippers can look forward to. “While the G27 standards for shipping lithium-ion batteries on commercial aircraft may not be official for a year or more, Obexion Max technology is already built to the specifications of the G27 draft standards, third edition.”



Will you once again be able to ship lithium batteries and devices on commercial aircraft? It's too soon to say. But with Obexion Max, you'll be ready.

Learn more at [labelmaster.com/Obexion](http://labelmaster.com/Obexion)



# **CHEMTREC<sup>®</sup>**

# **and Labelmaster team up for safety**

In February 2018, Labelmaster and CHEMTREC announced a new partnership. Now, all Dangerous Goods labels printed with CHEMTREC information come from Labelmaster.

But this partnership isn't really about labels. It's about safety.

CHEMTREC chief executive John Modine explains, "Having Labelmaster as our exclusive label manufacturer and distributor will allow us to better manage who is putting the CHEMTREC number on their shipments and ensure they are properly registered as customers."

**Why is it important to manage who uses the CHEMTREC number?** That requires a little explaining.

## **What the CHEMTREC phone number is for**

CHEMTREC is a third-party emergency response information provider, giving responders the information they need to address Dangerous Goods incidents.

CHEMTREC Senior Sales and Marketing Director Daniel Chebat says, "Anyone shipping Dangerous Goods needs to list contact information to provide emergency response information—24 hours a day, seven days a week. That's why shippers use CHEMTREC. If there's a leak, spill or fire, the right decisions can be made quickly to avoid injuries and help with cleanup."

The CHEMTREC number on labels and markings gives everyone in the DG supply chain sleep-at-night peace of mind. But not everyone can use it.







## **“We don’t have your information, and that’s a big safety issue.”**

Shippers who need a 24/7 information provider to meet regulations and help with response pay for the CHEMTREC emergency number and a unique account number.

Chebat says, “People who don’t ship hazmat often might believe the CHEMTREC phone number is for public use—that anyone can use it to ship DG. But if you don’t have an account with us, we don’t have your information to provide to responders. That’s a big safety issue because it causes delays in response.”

Let’s repeat that. **If you don’t have a CHEMTREC account, don’t put the CHEMTREC phone number on your shipments.**

Chebat describes a similar, equally dangerous issue. “We have to stress never to share CHEMTREC account numbers. Some companies use account numbers that aren’t theirs on their safety data sheets. Third parties sometimes use one customer’s account number for other customers.”

Where’s the harm in using someone else’s account number? When a responder on the scene of an incident calls CHEMTREC, he or she references the account number. If the information associated with that number doesn’t match the materials in the incident, the response could be completely inappropriate—and people’s safety could be placed at risk.

## **Partners for compliance and safety**

Now that Labelmaster is the exclusive label manufacturer and distributor for CHEMTREC, shippers have only one channel for compliantly adding CHEMTREC information to their shipments. This will cut down on misuse of the CHEMTREC phone number and account numbers, meaning emergency responders are more likely to have accurate information about the materials involved in an incident.

Giving responders complete, fully up-to-date information is the heart of CHEMTREC’s mission. Labelmaster is proud and pleased to help advance that mission, and we believe this partnership will save lives.

**To see the full selection of CHEMTREC hazmat transport labels, visit [labelmaster.com/chemtrec](http://labelmaster.com/chemtrec).**

# **Stay current and compliant**

## **New editions of essential regulatory books—coming this fall**



### **2019 IATA DGR 60th Edition**

#### **Available for pre-order!**

The industry standard reference manual for shipping Dangerous Goods by air—complete, up to date and user-friendly.



### **Early 49 CFR**

#### **Available for pre-order!**

The same information as the government release, with additional features that make it easier to find information.



### **IMDG Code 39th Amendment**

#### **Available for pre-order!**

The required regulations and instructions for anyone shipping Dangerous Goods by vessel.

## Obexion Packaging Reduces the Risks of Lithium Battery Fires

A complete line of protective packaging solutions designed for shipping and storing lithium batteries and devices that contain them. Obexion packaging directly contributes to a safer transport with a range of options – from basic fire resistance products to enhanced thermal runaway containment solutions.

### Obexion battery packaging is:

- **Easy-to-use** — No gel packs, pellets, or heavy liners
- **Scalable** — Works for most lithium batteries that must be transported
- **Customizable** — Off-the-shelf sizes for common applications or this packaging can be sized to your requirements
- **Passive** — Reduces training time
- **Environmentally Safe** — No toxic or hazardous chemicals means no special handling



OBEXP0001



OBEXP0002

## Obexion Pro Lithium Battery Shipping Packaging

Obexion Pro by Labelmaster is flame-retardant, single-use corrugated packaging for an added level of fire protection for recycled batteries and individual devices. Perfect for battery recycling companies and other applications when shipping battery-powered devices by ground or air.

Item#	Description	Size (I.D.) L x W x H	Unit	Weight	Price
OBEXP0001	Obexion Pro Cell Phone Box	3-3/4" x 7" x 2-1/8"	Bundle of 15	2 lbs.	\$124.80
OBEXP0002	Obexion Pro Laptop Box	15" x 10" x 1-9/10"	Bundle of 15	5 lbs.	\$216.25



OBEXMC-10MP



OBEXMC-1LT



OBEXMC-20BT



OBEXMC-1GD



OBEXMC-3MP1ST

## Obexion Max Lithium Battery Shipping Packaging

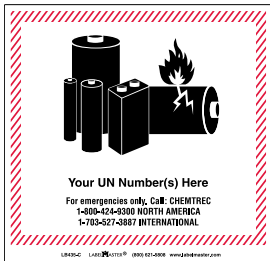
Obexion Max packaging has been issued a U.S. DOT Special Permit certifying that the packaging is compliant for transporting damaged, defective, or recalled phones, laptops, tablets, and batteries by ground. The Obexion Max packaging substantially mitigates the risk of fires by containing pressure, fire, flames, gasses, and ballistic projectiles, yet requires no gel packs, heavy liners, pellets, or fillers. Single-use corrugated fiberboard options and multiple-use metal options are available. For more information on the Obexion Max metal packaging contact Labelmaster. To learn more and watch Obexion in action, visit [labelmaster.com/Obexion](http://labelmaster.com/Obexion).

Item#	Description	Size (I.D.) L x W x H	UN Marking	Unit	Weight	Price
OBEXMC-10MP	Obexion Max-C Box, 10 Mobile Phones	21-1/2" x 14-1/2" x 4"	4G/X7.0/S	Each	3.5 lbs.	\$63.04
OBEXMC-1LT	Obexion Max-C Box, Laptop/Tablet	21-1/2" x 14-1/2" x 4"	4G/X7.0/S	Each	3.5 lbs.	\$63.04
OBEXMC-20BT	Obexion Max-C Box, 20 Lithium Ion Batteries	21-1/2" x 14-1/2" x 4"	4G/X7.0/S	Each	3.5 lbs.	\$63.04
OBEXMC-1GD	Obexion Max-C Box, 1 General Device	9-3/8" x 6-5/8" x 5-3/4"	4G/X3.0/S	Each	2 lbs.	\$55.39
OBEXMC-3MP1ST	Obexion Max-C Box, 3 Mobile Phones/1 Tablet	14-3/4" x 9-1/4" x 5-5/8"	4G/X6.0/S	Each	3 lbs.	\$56.81

To order Obexion boxes, view videos or learn more visit [labelmaster.com/Obexion](http://labelmaster.com/Obexion) or call 800.621.5808.



## LABELS AND MARKINGS



LB435-C



LB435C-3090



LB435C-3480



LB435C-3481



LB435C-3091

### CHEMTREC® Lithium Battery Marks—Exclusively From Labelmaster®

Safely transport your lithium batteries with Labelmaster's Lithium Battery Marks preprinted with CHEMTREC® emergency contact information. Available in paper or PVC-free film, add your UN number to the labels or choose the preprinted or personalized options and we'll imprint them for you. Labelmaster is the exclusive authorized label manufacturer of CHEMTREC®. Only companies registered with CHEMTREC® are authorized to purchase and use these labels. For more information or to register as a CHEMTREC® customer visit [labelmaster.com/chemtrec](http://labelmaster.com/chemtrec).

Item#	Size (W x H)	Material	Personalize	Unit	Price
<b>Preprinted with CHEMTREC Contact Information</b>					
LB435-C	120mm x 110mm	Semi-Gloss Paper	No	Roll of 500	\$69.57
SLB435-C	120mm x 110mm	PVC-Free Film	No	Roll of 500	\$119.00
<b>Preprinted with UN Number and CHEMTREC Contact Information</b>					
LB435C-3480	120mm x 110mm	Semi-Gloss Paper	No	Roll of 500	\$73.43
LB435C-3481	120mm x 110mm	Semi-Gloss Paper	No	Roll of 500	\$73.43
LB435C-3090	120mm x 110mm	Semi-Gloss Paper	No	Roll of 500	\$73.43
LB435C-3091	120mm x 110mm	Semi-Gloss Paper	No	Roll of 500	\$73.43
<b>Preprinted with CHEMTREC Contact Information and Personalized with Your UN Number</b>					
LB435P-C	120mm x 110mm	Semi-Gloss Paper	Yes	Roll of 500	\$77.30
SLB435P-C	120mm x 110mm	PVC-Free Film	Yes	Roll of 500	\$170.00



LB735P



LB435



LB435TP

### Lithium Battery Marks

Safely transport your lithium battery packages with Labelmaster's Lithium Battery Marks. With the recent changes in lithium battery shipping regulations, these marks are required on all packages carrying lithium ion or metal batteries. Available as 120mm x 110mm or 105mm x 74mm markings in paper or PVC-free film, these labels are designed in accordance with the regulations. These handling marks have space to designate the UN number of the lithium battery being shipped as well as a telephone number for additional information required by the regulations. The tab version features a 120mm x 110mm marking plus a 20mm tab extension to conveniently add any additional marking requirements to the package. Choose personalized labels and we'll imprint your information for you.

Item#	Size (W x H)	Material	Personalize	Unit	Price
<b>Blank</b>					
LB435	120mm x 110mm	Semi-Gloss Paper	No	Roll of 500	\$55.00
LB735	105mm x 74mm	Semi-Gloss Paper	No	Roll of 500	\$40.98
SLB435	120mm x 110mm	PVC-Free Film	No	Roll of 500	\$75.60
SLB735	105mm x 74mm	PVC-Free Film	No	Roll of 500	\$64.79
<b>Blank with Tab</b>					
LB435T	120mm x 110mm	Semi-Gloss Paper	No	Roll of 500	\$39.00
<b>Personalized with Your UN Number and Contact Information</b>					
LB435P	120mm x 110mm	Semi-Gloss Paper	Yes	Roll of 500	\$77.30
LB735P	105mm x 74mm	Semi-Gloss Paper	Yes	Roll of 500	\$56.30
SLB435P	120mm x 110mm	PVC-Free Film	Yes	Roll of 500	\$170.00
SLB735P	105mm x 74mm	PVC-Free Film	Yes	Roll of 500	\$88.70
<b>Personalized with Your UN Number, Contact Information and Additional Tab Information</b>					
LB435TP	120mm x 110mm	Semi-Gloss Paper	Yes	Roll of 500	\$48.85



L20R

### Cargo Aircraft Only Markings

When shipping by air, this marking is required on all packages prepared in accordance with cargo aircraft only packing instructions. Available in semi-gloss paper or PVC-free film, these markings meet 49 CFR and ICAO design requirements.

Item#	Size (W x H)	Material	Unit	Price
L20R	120mm x 110mm	Semi-Gloss Paper	Roll of 500	\$46.00
L20CR	120mm x 110mm	Semi-Gloss Paper	Roll of 100	\$10.80
L20SR	120mm x 110mm	Semi-Gloss Paper	Pack of 50	\$8.10
SL20R	120mm x 110mm	PVC-Free Film	Roll of 500	\$86.60

## CHEMTREC® Emergency Vehicle, Truck & Phone Markings—Exclusively From Labelmaster®

Use to identify the appropriate number to call in the event of a spill or leak. Display of CHEMTREC Emergency Number is authorized only for those companies registered with CHEMTREC. Labelmaster is the exclusive manufacturer of CHEMTREC markings and labels. If you are not a CHEMTREC customer and would like to purchase the labels and markings, please contact CHEMTREC at 800.262.8200, option 2 to register.

Item#	Description	Size (W x H)	Material	Unit	Price
MCA40R	Chemical Emergency	2" x 0.75"	PVC-Free Film	Roll of 500	\$34.95
MCA10	Chemical Emergency	30" x 11.5"	Permanent Vinyl	Each	\$6.75
MCA25	Product Emergency	30" x 11.5"	Permanent Vinyl	Each	\$6.75
MCA30	Chemical Emergency	7.5" x 3"	PVC-Free Film	Each	\$3.38
C30	Canadian Chemical Emergency	30" x 15"	Permanent Vinyl	Each	\$8.00



MCA40R



MCA10



MCA25



MCA30



C30

## CHEMTREC® Rail Tanker Markings—Exclusively From Labelmaster®

Approved for use by the American Railroad Association, these markings identify the appropriate number to call in the event of a spill or leak. Display of CHEMTREC Emergency Number is authorized only for those companies registered with CHEMTREC. Labelmaster is the exclusive manufacturer of CHEMTREC markings and labels. If you are not a CHEMTREC customer and would like to purchase the labels and markings, please contact CHEMTREC at 800.262.8200, option 2 to register.

Item#	Description	Size (W x H)	Material	Unit	Price
MCA10RR	U.S. Chemical Emergency	30" x 11.5"	Permanent Vinyl	Each	\$8.00
C30RR	Canadian Chemical Emergency	30" x 15"	Permanent Vinyl	Each	\$15.00
MCA50RR	U.S., Canadian or International Chemical Emergency	30" x 11.5"	Permanent Vinyl	Each	\$8.75



MCA10RR



C30RR

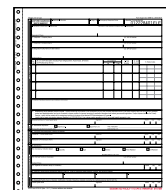


MCA50RR

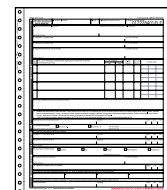
## Newly Revised! Uniform Hazardous Waste Manifests

The 5-part Uniform Hazardous Waste Manifest, EPA Form 8700-22 (Rev. 12-17), is a hazmat shipping form prepared by all generators who transport, or offer for transport, hazardous waste for off-site treatment, recycling, storage, or disposal. The new 5-part form was required by the EPA as of June 30, 2018. When completed, it contains information on the type and quantity of the waste being transported, instructions for handling the waste, and signature lines for all parties involved in the disposal process. The 5-part manifest is required when using a paper manifest associated with the EPA e-Manifest system and also meets DOT requirements. The manifests are available as stock items for you to fill in your information on your own. Or, choose the personalized version and we'll imprint your information for you. Also available in pin-feed or snap-out formats.

Item#	Size (W x H)	# Parts	Type of Feed	Personalize	Unit	Price
CF27R	8½" x 11"	5-part	Pin-feed	No	Box of 500	\$230.00
CF27PR	8½" x 11"	5-part	Pin-feed	Yes	Box of 500	\$325.00
CF28	8½" x 11"	5-part	Pin-feed, continuous	No	Box of 500	\$265.90
F25R	8½" x 11"	5-part	Snap-out	No	Pack of 100	\$49.87
F25PR1	8½" x 11"	5-part	Snap-out	Yes	Pack of 500	\$300.00



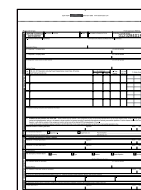
CF27R



CF27PR



CF28



F25R



F25PR1





# LABELMASTER

## ONLINE HAZMAT TRAINING

### 8 STRESS-FREE ONLINE COURSES

We're proud to present **eight essential interactive online training courses.**

#### GENERAL AWARENESS

- An introduction to hazardous materials/Dangerous Goods
- General packing, labeling, marking and documentation guidelines

PRODUCT NUMBER	QUANTITY PRICE 1-9	QUANTITY PRICE 10+
SHPGA	\$99.00	\$75.00

#### EXCEPTED LITHIUM BATTERY SHIPPING

- Lithium battery awareness
- Identifying excepted batteries
- Relevant regulations
- Packing, marking and labeling

PRODUCT NUMBER	QUANTITY PRICE 1-9	QUANTITY PRICE 10+
SHPEXLB	\$129.00	\$100.00

#### FULLY REGULATED AND EXCEPTED LITHIUM BATTERY SHIPPING

- Lithium batteries and their potential hazards
- Marking, labeling and documentation
- Packaging and package selection
- Safety, emergency response and security awareness

PRODUCT NUMBER	QUANTITY PRICE 1-9	QUANTITY PRICE 10+
SHPLB	\$199.00	\$150.00

#### ADR GROUND SHIPPING

- How the ADR applies in various countries
- Correctly documenting DG shipments
- Packing items in accordance with the ADR
- Safety and security

PRODUCT NUMBER	QUANTITY PRICE 1-9	QUANTITY PRICE 10+
SHPADR	\$395.00	\$370.00

#### SHIPPING DG BY AIR (IATA 59TH EDITION) FOR OPERATIONS PERSONNEL

- How the DGR applies across various countries and airlines
- Correctly documenting DG shipments
- Packing, marking and labeling
- Safety and security

PRODUCT NUMBER	QUANTITY PRICE 1-9	QUANTITY PRICE 10+
SHIPAIOPS59	\$225.00	\$199.00

#### 49 CFR

- General awareness of hazardous materials
- How to pack, mark and label items
- Proper package selection and use
- How to prepare shipping papers

PRODUCT NUMBER	QUANTITY PRICE 1-9	QUANTITY PRICE 10+
SHP49	\$325.00	\$275.00

#### SHIPPING DANGEROUS GOODS BY SEA

- Responsibilities of sending Dangerous Goods by sea
- Documentation according to the IMDG Code
- Packing, marking and labeling according to the IMDG Code
- How the IMDG Code applies in the United States

PRODUCT NUMBER	QUANTITY PRICE 1-9	QUANTITY PRICE 10+
SHPIMO38	\$325.00	\$275.00

#### SHIPPING LIMITED AND EXCEPTED QUANTITIES

- Hazardous materials general awareness
- Understanding the IATA DGR, ADR, 49 CFR, and IMDG Code
- The advantages of excepted quantity and limited quantity exceptions
- Packing, marking and labeling limited and excepted quantity shipments

PRODUCT NUMBER	QUANTITY PRICE 1-9	QUANTITY PRICE 10+
SHPLTDQTY	\$179.00	\$159.00

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# DANGEROUS GOODS REPORT

INSIGHTS ON HAZMAT ISSUES

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