HazMat Safety Consulting®

AN AMERICASE INTERNATIONAL COMPANY

FACT SHEET

HazMat Safety Consulting (HSC) specializes in supporting clients with dangerous goods (DG) compliance matters by drawing on our years of experience working with US and international regulators, shippers, carriers, freight forwarders, standards body officials, and other industry leaders.

For clients, a partnership with HSC means having access to knowledgeable consultants that will give you peace of mind that your DG shipping program is operating in a safe and efficient manner. HSC supports a wide range of industries affected by DG regulations, including those impacted by the emergent issues surrounding the transport, storage, use, and testing of lithium batteries.

SERVICES

DG PROGRAM SUPPORT

From companies just beginning their DG shipping operations to those with well-established DG programs, partnering with HSC will help ensure your company's DG program is efficient, dynamic, and compliant. HSC can help by:

- Providing on-demand access to DG experts to interpret complex regulations
- Informing clients of industry best practices that will enhance safety and reduce shipping costs
- Developing compliance manuals, customized standard operating procedures (SOPs) and job aids
- Keeping your business up-to-date on impending changes to domestic and international regulations
- Working with your IT team to automate the DG process by translating shipping rules into software logic

LITHIUM BATTERIES

Within the DG world, lithium batteries are becoming an entire industry of their own. HSC, a leader in lithium battery consulting services, will assist your business with storage, transportation, and reverse logistics solutions, including:

- Damaged/Defective/Recalled Lithium Battery Transportation
- Lithium Battery Packaging Solutions
- Battery Destructive Testing
- Safety Measures for Lithium Battery Storage
- SAE G-27 Packaging Testing
- Lithium Battery/Device Recall Solutions
- Prototype Battery Approvals
- Company-Specific Lithium Battery Shipping Guides
- Emergency Response Procedures

CUSTOMIZED DG TRAINING

HSC believes the most effective DG training courses are those built to match your operation. Our streamlined courses are designed to emphasize your products and eliminate non-applicable information - all while meeting applicable federal and international DG training requirements.

DG COMPLIANCE EVALUATION

Have you ever wondered how your company would fare in a DOT inspection? Want to find out? HSC can evaluate your DG shipping operation against regulatory requirements and industry best practices.

As a result of a HSC-led DG evaluation, you can expect a detailed summary of DG regulatory violations that leave the company open to DOT enforcement actions, suggestions for increasing shipping efficiencies and adopting industry best practices, and guidance on how to leverage regulatory exceptions to reduce shipping costs. Following the DG evaluation, a written report describing findings and offering recommendations will be provided.

DOT ENGAGEMENT

Drawing on our experiences working at DOT HQ, HSC consultants can help with:

- Special Permit, Competent Authority Approval, and Certificate of Equivalency Applications
- Penalty Remediation Support
- Implementing Corrective Actions in response to deficiencies identified by DOT enforcement investigations
- PHMSA Petitions for Rulemaking
- Expert Witness Reports and Testimony

ASSOCIATION SUPPORT

HSC's experience working with DOT and at the UN Subcommittee of Experts for the Transport of Dangerous Goods provides our association clients with a deep bench of experts to be used on demand. HSC's experts provide invaluable support, including:

- Drafting petitions for rulemaking,
- Developing broad special permits for individual members to apply for,
- Speaking at conferences on technical or administrative matters,
- Coordination with DOT staff
- Developing and delivering training for member companies

Ryan F. Paquet, PG
President
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As President of Hazmat Safety Consulting, Ryan provides our clients with extensive experience and perspective he has gained in his 20+ years of experience related to hazardous materials transportation safety.

For the previous 10 years, Ryan has been the Director of Approvals and Permits Division for the Pipeline and Hazardous Materials Safety Administration (PHMSA) in the US Department of Transportation. In this role, he led the critical function of processing special permit and approval applications in coordination with other domestic government agencies, foreign governments, and international organizations. He has led action and government response to worldwide recalls, national disasters and the introduction of new technologies into the US market. Ryan's ability to navigate across government and organizational boundaries is proven by his reputation in the Dangerous Goods industry.

Previously, Ryan served as PHMSA's Assistant Director of International Standards where he participated in the US delegation to the UN Sub-Committee of Experts on the Transport of Dangerous Goods and the International Maritime Organization. Additionally, Ryan has led numerous, successful, delegations in international diplomacy and coordination, which led to direct benefits for the international transport of dangerous goods.

Ryan is a lifelong student in the art and science of leadership. He is a Licensed Professional Geologist with a Bachelor of Science from the University of Connecticut and master's degree from Fielding University. Ryan lives in Rhode Island with his wife Renee, son Rainen and daughter Vivienne.

Bob Richard
Vice President
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Bob Richard is a recognized authority in hazardous materials compliance, bringing decades of experience navigating the complexities of dangerous goods transportation and safety.

Prior to joining the private sector, Bob served as the Deputy Associate Administrator for Hazardous Materials Safety at the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA). He also chaired the UN Subcommittee of Experts on the Transport of Dangerous Goods, where he played a key role in shaping global regulatory frameworks. Bob has been involved in the development and implementation of hazardous materials safety regulations for more than 28 years and has been responsible for a broad range of domestic and international hazardous materials safety efforts. Bob served as the Chairman of the United Nations Sub-Committee of Experts on the Transport of Dangerous Goods that has responsibility for publishing the United Nations Model Regulations on the Transport of Dangerous Goods. Bob also served as the chairman and vice chairman of the ICAO Dangerous Goods Panel which has responsibility for developing and publishing the International Civil Aviation Regulations which govern the transport of dangerous goods by air. Bob was the Panel member nominated by the United States to the ICAO Dangerous Goods Panel for a number of years. He also led US delegations to the International Maritime Organization Dangerous Goods, Solid Cargoes and Containers Sub-Committee and coordinated with the US Coast Guard in developing technical proposals and responding to sea transport incidents involving hazardous materials. He played a major role in developing the International Maritime Dangerous Goods Code into the revised format that exists today.

As a consultant, Bob has advised clients worldwide—ranging from startups to multinational corporations—on regulatory strategy, lithium battery safety, and risk mitigation. He has served as an expert witness in more than 25 legal cases, all with favorable outcomes, and is known for his ability to translate complex regulations into practical, actionable solutions.

Bob currently serves on a wide range of national and international regulatory and advisory committees, including:

- UN Subcommittee of Experts on the Transport of Dangerous Goods
- ICAO Dangerous Goods Panel
- IMO CCC Sub-Committee
- UL Standards Committees (e.g., UL 9540)
- PHMSA Employee Quality Council
- U.S. Government Interagency Hazmat Council (EPA, OSHA, Agriculture, CPSC, etc.)
- U.S. DOT Multimodal Coordination Committee
- DOD Munitions Interagency Committee
- IHMM Certified Dangerous Goods Professional (CDGP) Committee
- PHMSA Administrator's Council
- Hazmat Interested Parties Committee
- Prior Dangerous Goods Advisory Council (DGAC) Board of Directors

He combines deep regulatory expertise with hands-on industry insight to help organizations develop compliant shipping programs, design effective safety protocols, and respond strategically to enforcement actions. His work ensures clients not only meet regulatory requirements but also operate with enhanced safety and efficiency.

Mike Pagel
Senior Consultant
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Mike Pagel is a Senior Consultant with HazMat Safety Consulting. As a dangerous goods consultant, Mike partners with clients to improve their hazmat transportation programs. This includes creating customized training courses, conducting on-site storage and transportation compliance audits, general consulting support, assistance with Special Permits & Approvals, and developing company SOPs. Mike supports a range of clients with DG compliance, including producers of medical devices, eCommerce operations, cosmetics suppliers, 3PLs & carriers, electric vehicle makers, packaging manufacturers, and consumer electronics companies.

Mike started in the industry in 2012 at PHMSA's Hazardous Materials Information Center (HMIC) at DOT HQ in Washington, DC. For two years, Mike supported the HMIC by answering thousands of questions on PHMSA's Hazardous Materials Regulations. In this role, Mike worked directly with PHMSA Rulemaking, Approvals & Permits, and Technical staff.

After leaving the DOT, Mike moved to Wisconsin where he spends his time struggling to think of what personal interests to include at the end of his bio.

Duane A. Pfund
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Duane Pfund brings more than 35 years of hazardous materials safety expertise to his role as Senior Consultant at Hazmat Safety Consulting. He supports clients by developing custom dangerous goods (DG) training, conducting compliance assessments, assisting with Special Permits and Approvals, and providing regulatory interpretation and strategic consulting.

Before joining Hazmat Safety Consulting, Duane spent 25 years with the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration (PHMSA), including 20 years as Director of the Office of Hazardous Materials Safety Program. He also served in senior leadership roles such as Acting Deputy Associate Administrator for Hazardous Materials Safety and Acting Director of the Sciences, Engineering and Research Division.

On the international stage, Duane led the U.S. delegation to the United Nations Sub-Committee of Experts on the Transport of Dangerous Goods for 20 years, serving the last 10 years as Chairman. He represented the United States for a decade on the ICAO Dangerous Goods Panel and led delegations at the International Maritime Organization and the European Joint Meeting of the RID/ADR/ADN. He also served as Designated Federal Official for the six-year Lithium Battery Air Safety Advisory Committee, guiding U.S. policy on one of the industry's most critical safety challenges.

A graduate of Michigan State University in Packaging Engineering and of the Department of Interior's Senior Executive Service Candidate Development Program, Duane combines technical depth, regulatory leadership, and international collaboration. His experience allows him to deliver practical, compliance-focused solutions that help clients manage risk and adapt to evolving DG regulations worldwide.

Michael Roldan
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Michael Roldan served as the U.S. Coast Guard's Chief, Hazardous Materials Division where he developed national and international standards and policy for the safe and secure carriage of chemicals. As well, he provided extensive support and guidance to operational commanders regarding chemical regulations & authorities while managing time critical deliverables including daily processing of requests for approvals & exemptions to US and international classification requirements for containerized & bulk dangerous cargoes. Michael also led US interagency negotiations at the International Maritime Organization sub-committees regarding hazardous materials safety & security. He was also the Designated Federal Officer of the Federal Advisory Committee for the safe transport of chemicals as well as the Coast Guard's lead representative for interagency research on hazardous materials transport.

Most recently Michael served as Regional Director – Americas for Oil Spill Response Limited (OSRL), a global oil spill response cooperative that provides a range of services to its members and clients to help prevent, contain, and clean up oil spills. As Regional Director, Michael took primacy on the delivery of all response services to customers in the Western Hemisphere and for the discharge of operational objectives through the effective deployment of personnel & equipment across the company. His guiding principle was to deliver efficient and effective response services for all clients on time and within budget throughout the region through the provision of inspirational leadership, optimization of staff resources and an efficient cost management. He also oversaw an effective stakeholder engagement, promoted key industry messages and adhered to globally accepted good practices in order to facilitate efficient and effective preparedness and response.

Paula F. Reavis
Hazmat and Dangerous Goods Trainer
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Paula Reavis is an experienced hazardous materials and dangerous goods transport trainer and owner of Reavis Compliance Company. Driven by the belief that compliance is key, she takes pride in providing the best transport courses possible. As a Hazmat/DG professional, her goals include helping companies maintain compliance through the entire shipping process and providing any necessary consulting services needed. After 11 years in the business, she is well versed in the 49CFR Parts 100-185, IATA, and IMDG transport regulations and has more than a passing familiarity with OSHA HazCom2012 and WHMIS2015.

In another life, Paula was in the public school system as a high school science teacher and Nationally Board Certified Counselor (NBCC). Her bachelor's degrees are in Secondary Science Education and Chemistry from North Carolina State University and a Master's degree in Counseling from East Carolina University. She lives in the St. Louis, Missouri area with her husband Drew.

Dr. Richard D. Tarr
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Dr. Tarr served the USDOT's Office of Hazardous Materials Safety as a Chemist for over 30 years. In this time with USDOT, Richard became a world-renowned expert in the classification of explosives, fireworks, organic peroxides and self-reactive substances.

Richard's expertise and impeccable reputation around the world provides great perspective and understanding to HSC's customers, trying to navigate the complicated classification requirements. Since Richard retired from USDOT, he has been busy traveling, spending time with family, and remaining active in the global fireworks industry.

Margaret Carson, MSE
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Margaret served the USDOT's Office of Hazardous Materials Safety as a Hazardous Materials Investigator for 14 years and the Massachusetts Department of Environmental Protection for over 24 years. Margaret is an experienced investigator with a demonstrated history of understanding and translating regulations. Margaret has extensive skills in safety and operational controls, important in her work as a Logistics Manager for FEMA, in response to natural disasters. Margaret has a bachelor's degree focused in Biology and Chemistry from Franklin Pierce University, and an MS in Environmental Engineering from UMass Lowell.

Barbara Lantry-Miller
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Barbara comes to HSC as a consultant with 30+ years of experience in the chemical industry in Environmental, Health, Safety and Dangerous Goods. For the past 16 years Barbara was the Director of Controlled Products and Dangerous Goods for the AMERICAS for Givaudan, a Swiss multinational manufacturer of flavors, fragrances and active cosmetic ingredients. She began her career as a Program Engineer with GE Aircraft Engines moving into the world of Environmental, Health and Safety, transitioning from engines to chemicals. She has been responsible for hazard communication, SDS and label authoring, configuration development on integrated SDS authoring software, Dangerous Goods and Controlled Products (drug precursors, explosive precursors and chemical weapons.

In addition to her corporate work, from 2014 to 2021 she was an NGO delegate to the UN Sub Committees of Experts for the Globally Harmonized System and the Transport of Dangerous Goods. Barbara was a influential industry advocate in the development of the combustible dust guidance "Annex 11: Guidance on Other Hazards Not Resulting in Classification" in Rev 8 of the GHS Purple Book. In addition, she lobbied successfully at the UN for labelling relief in the Labelling Working Group resulting in "Annex 7: Examples of arrangements of the GHS label elements" which highlighted the need for alternative forms of hazard communication labelling for small packages.

She holds a Bachelor of Arts (English) and a Bachelor of Science (Industrial and Systems Engineering) from The Ohio State University and a Master's in Science with emphasis in environmental, health and safety from the University of Cincinnati.

Throughout her career Barbara has managed to balance family, work and volunteerism. She was a member of the DGAC Board of Directors for two years and then elected to Chairman of the Board in 2016. In addition, she was elected to the Board of Directors of the Council on Safe Transportation of Hazardous Articles in 2023. When not working she vacations and hikes with her husband and their giant poodle Cosmo.

Paul Stancil, CHMM
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Annapolis, MD

Paul L. Stancil brings more than 47 years of experience in hazardous materials investigations and environmental law enforcement to HazMat Safety Consulting (HSC). A nationally recognized authority in dangerous goods regulation and compliance, Paul has dedicated his career to advancing safety, accountability, and best practices across all modes of transportation.

Most recently, Paul served as a Senior Hazardous Materials Accident Investigator with the National Transportation Safety Board (NTSB). In that role, he led complex investigations involving hazardous materials, often serving as the technical expert for nationally significant incidents. His leadership was instrumental in shaping industry practices and strengthening regulatory frameworks.

Prior to his tenure at the NTSB, Paul served as Chief Investigator for the Environmental Crimes Unit of the Maryland Office of the Attorney General, where he oversaw enforcement efforts addressing environmental violations and hazardous materials incidents.

Paul's work has had a direct impact on national safety standards. Notable highlights include:

- Leading the hazardous materials phase of the East Palestine, Ohio train derailment investigation, from on-site response through drafting the final report and serving as technical panel lead at the NTSB investigative hearing.
- Drafting NTSB's response to HM-265A Hazardous Materials Modernizing Regulations, helping guide national discussions on tank car safety, emergency response protocols, and inspector training.
- Authoring and presenting research such as "Rail Tank Car Safety Ten Years after Lac-Mégantic" on the official NTSB blog and at industry forums.

Paul's expertise, honed over decades of high-profile investigations, further enhances HSC's ability to guide clients through complex regulatory and operational challenges. His leadership strengthens HSC's mission to provide practical, authoritative solutions in hazardous materials safety and compliance.

Randy Walker
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Randy Walker brings more than 40 years of experience in operations, safety, training, and logistics to HazMat Safety Consulting. His career spans leadership roles with organizations such as Los Alamos National Laboratory's Chemistry Division and Oak Ridge National Laboratory, where he provided technical direction for large-scale hazardous materials operations, including the transport of radioactive and nuclear materials.

Before joining HazMat Safety Consulting, Randy established and managed transportation operations and packaging compliance programs across five Lockheed Martin sites, building systems that ensured both regulatory compliance and operational efficiency. A Certified Transportation Broker and former Chairman of the DOE Contractor Transportation Management Association (CTMA), Randy currently serves as a member of the N14 ANSI Standards Committee and has held DOE Q and DoD Top Secret clearances.

A graduate of the University of Tennessee with a B.S. in Logistics and Transportation, Randy is widely recognized as a corporate troubleshooter—turning complex, high-risk projects into profitable, self-sustaining operations. His deep technical knowledge and leadership in hazmat transportation make him an invaluable resource for HSC clients navigating complex regulatory landscapes.

Michael Van Ort
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Lake Elmo, MN

Mike got his start in the dangerous goods world working for a large railroad in Chicago, IL. There he learned the FRA and DOT ground and rail operations/ requirements for the movement of consumer, mail, and dangerous goods shipments; Mike implemented those requirements at the rail yards he was responsible for. After leaving the railroad, Mike migrated to a large Midwest farm cooperative and traveled the country evaluating/ auditing and documenting the policies and procedures for the local cooperatives, and assisting them in lobbying to halt some of the rural rail abandonments with the knowledge learned from his railroad days. Mike also created for them an operational manual for petroleum and anhydrous ammonia safety for the cooperatives and drivers to follow to ensure compliance.

Mike then moved into a corporate dangerous goods administrator role at a large global manufacturer for nearly 30 years.

There he oversaw the dangerous goods requirements for the nine hazard classes globally for ground, air and ocean shipments. In addition, he helped develop a dangerous goods Internal manual and training modules for both plant and distribution centers globally to meet the diverse modal requirements. Mike also followed up with internal and external audits to ensure compliance, which included material Identification, classification, packaging, marking and labeling.

Mike rounded out his career in helping create the Medical Device Battery Transport Council.

(MDBTC) was formed to promote the classification and safe transport of lithium batteries and battery-powered medical devices. MDBTC was renamed Medical Device Transport Council to address all of the transport concerns for all medical material shipments. The goal of the council was to work with regulators to identify risk reduction opportunities while also mitigating the impacts of overly burdensome regulations that have an adverse effect on the efficient transportation of life-saving products worldwide. Mike provided global support for two of the major Midwest medical device companies as well as provided guidance to other members through the MDTC organization for the past 10 years.

Mike has been active with DGAC, COSTHA, and PBRA and has participated with the UN in Geneva over several years.

Evaluate your company's hazardous materials operations in minutes by taking this quick self-assessment. It will generate a risk score based on your answers and help identify potential compliance gaps. If your score indicates moderate or high risk, you'll have the option to request a consultation with our compliance team.