PRODUCT STEWARDSHIP is a key priority for the American Chemistry Council’s Center for the Polyurethanes Industry (CPI). CPI provides environmental, health and safety (EHS) literature about polyurethanes to producers, applicators and other trade associations to help support the continued safety of people and the environment. CPI’s library of information includes guidance materials on general polyurethane product safety, worker protection, toxicity, waste disposal, transportation guidelines, industrial hygiene, and regulatory compliance. A number of the documents are also available in other languages. CPI’s product stewardship approach to EHS focuses on the importance of safety considerations at all phases of product development, application and disposal. This brochure provides only a brief sample of the literature that is available free through CPI. For a full list of literature, check out our websites at www.polyurethane.org and www.spraypolyurethane.org.
■ Guidance for Working with TDI or MDI and Polymeric MDI: Things You Should Know (AX-202 or AX-205)
This guidance document was developed to remind professionals about important health and safety considerations when working with TDI or MDI or Polymeric MDI.

■ PMDI or TDI User Guidelines for Chemical Protective Clothing Selection (AX-178 or AX-179)
Describes useful guidance on selecting the appropriate PPE and the performance characteristics of gloves, coveralls, splash suits, and other protective suites commonly used when working with PMDI or TDI.

■ Occupational Hygiene Air Monitoring for MDI and TDI Guidance (AX-248)
This guidance document describes workplace air monitoring methods for MDI and TDI, and provides information on personal and area sample collection. Several instruments and derivatization methods for monitoring vapors are discussed too.

■ Hazard Information to Consider When Labeling of Diphenylmethane Diisocyanate (MDI), Polymeric MDI and Isocyanate-terminated MDI Prepolymers Containing Products for the Consumer Market (AX-264)
This document provides information about the potential hazards from exposure to diphenylmethane diisocyanate (MDI), polymeric MDI (PMDI) and isocyanate-terminated MDI prepolymers. This information is intended to assist company label writers who are responsible for communicating the potential hazards and safe handling guidelines for consumer products to prospective customers, also known as Do-It-Yourself (DIY) users.

■ Fire Safety Guidance: Working with Polyurethane Foam Products during New Construction, Retrofit and Repair (AX-426)
A bulletin for construction trades describing fire safety guidance to consider when performing “hot work” around polyurethane and polyisocyanurate insulations.

■ Commentary on the Toxicity Classification of PMDI in the International Fire Code (AX-255)
This paper discusses the reclassification of PMDI from the “highly toxic” to “toxic” hazard chemical category based on its property, fire behavior and inhalation toxicity.

■ Guidelines for Freight Securement: Freight Loading and Securement for Chemical Shipments in the Polyurethane Industry (AX-173)
This guidance document is intended to provide basic information and examples of freight loading and securement for intermodal domestic and international shipments. The document is intended for transportation professionals who ship or receive polyurethane-related materials.

■ Guidance for Melting 4,4’ MDI or TDI in Drums (AX-363 or AX-364)
This guidance provides information that is intended to serve as a general guidance to consider when heating drums to melt frozen or fused MDI or TDI.

■ Equipment Guidelines for Diisocyanate Storage Tanks (AX-365)
This Technical Bulletin is intended to provide guidelines describing various equipment options for storage tank systems intended for diisocyanate product service.

■ Transloading Polymeric Methylene Diphenyl Diisocyanates (PMDI) (AX-409)
These guidelines have been developed to describe various options for transloading PMDI from rail tank cars to cargo tank trailers.

■ Polyurethane Amine Catalysts Guidelines for Safe Handling and Disposal (AX-173)
These guidelines provide general information to workers, supervisory personnel, and others about health and safety considerations associated with the use of polyurethane amine catalysts.

■ Polyol Resin Blends Safety and Handling Guidelines (AX-228)
A technical bulletin that presents safety and handling guidelines for working with polyol resin blends, including acute health hazards and handling precautions, fire and explosion hazards, emergency response, and waste disposal information.
MDI or TDI Emissions Reporting Guidelines for the Polyurethane Industry (AX-433 or AX-186)
This program was created as general guidance to manufacturers, processors, and other users of MDI or TDI on what to consider when calculating emissions to meet mandatory reporting obligations by the U.S. Environmental Protection Agency (EPA). This document provides guidance on estimating routine and accidental fugitive air emissions for the EPA Toxic Release Inventory, as required by Section 313 of EPCRA. The guidance document accompanies a lockable spreadsheet and is supported by free online user assistance.

Model Respiratory Protection Program (AX-246)
This program was developed to help protect employees from respiratory hazards during truck bed lining applications and facilitate compliance with OSHA’s Respiratory Protection Program Standard (29 CFR §1910.134). The program provides guidance on appropriate respirators, respirator use, storage, fit and evaluation.

Truck Bed Liners: Worker Protection (AX-362)
This brochure addresses worker protection considerations during the application of spray-on truck bed liners.

Spray-on Truck Bed Liner Applications Using MDI/PMDI (AX-405)
This document provides important information for workers when applying spray-on truck bed liners containing MDI/PMDI. Topics covered in this document include, but are not limited to: recognizing potential health hazards when using MDI/PMDI, wearing respiratory protection and personal protective equipment, containing MDI/PMDI overspray and responding to emergencies.

Health and Safety Product Stewardship Workbook for High-Pressure Application of SPF (2010)
This program presents general information with respect to the use of spray polyurethane foam chemicals and other associated chemicals used in spray polyurethane foam applications. The Workbook provides guidance to applicators and helpers who apply professional grade high pressure spray polyurethane foam in both interior and exterior construction applications.

Guidance for Videos or Images Showing Spray Polyurethane Foam (SPF) Application (AX-245)
This guidance document is intended to support the development of visual media content (e.g. videos, photos, animations, and graphic or artistic illustrations) showing the installation of SPF or polyurethane-based insulating foam sealants.

Polyurethane and Thermal Degradation (AX-396)
This guidance document discusses the potential risks associated with performing hot work, around polyurethanes and provides considerations for appropriate safety precautions.

General Guidance on EPA’s Risk Management Program Requirements and TDI (AX-404)
A guidance document that provides general information on Section 112(r) of the Clean Air Act (CAA), which requires the EPA to promulgate regulations for the prevention and mitigation of accidental releases of extremely hazardous substances. Under this section, EPA establishes a list of regulated substances, which includes TDI, and thresholds and issued the Chemical Accident Prevention Provisions.

Guidelines for the Responsible Disposal of Wastes and Containers from Polyurethane Processing (AX-151)
This technical bulletin is designed to inform processors of polyurethane chemicals of what to consider when managing waste chemicals and empty containers in compliance with federal and state regulations.

Spray Polyurethane Foam Product Stewardship Guidance Brochure
This brochure is available on www.spraypolyurethane.org and contains general information on: hazard communications; effective workplace practices; interior SPF applications; and exterior SPF applications.