Communicating Safety and Health Hazards in Spray Polyurethane Foam Training

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February 9, 2011
Overview

- Who is CPI?
- SPF Supports Jobs Growth
- Industry-Led Enhanced Spray Polyurethane Foam Product Stewardship Program
- Next Stage of Spray Polyurethane Foam Product Stewardship Program
- Summary
Center for the Polyurethanes Industry Mission

- CPI is the voice of the polyurethane industry in North America.
- CPI promotes the growth of the polyurethane industry in cooperation with user groups.
- CPI coordinates on key industry activities with polyurethane trade associations across the globe.
Product Stewardship History

- Guidance materials on polyurethane raw materials
- Polyurethane training programs
- Regulatory Compliance Assistance Program
- Spray Polyurethane Foam Health and Safety Program
Rapid growth of SPF brings with it need for increased outreach and communications on safe use and handling.

**GREEN JOBS ARE GOOD JOBS**

**WHEN WORKER HEALTH AND SAFETY IS INTEGRATED INTO WORKPLACE PRACTICES!**
Industry-Led Enhanced SPF Product Stewardship Program

PRIMARY GOAL

TO INCREASE UNDERSTANDING OF
SAFE INSTALLATION PRACTICES REGARDING
USE, HANDLING AND DISPOSAL OF SPRAY POLYURETHANE FOAM.
Industry-Led Enhanced SPF Product Stewardship Program

- Launched in 2009 by both CPI and the Spray Polyurethane Foam Alliance.
- Has both a worker focus and consumer/building occupant focus
- Expanded consumer/building occupant focus (2010) – promote the benefits and uses of SPF insulation and address important considerations when working with a professional contractor to have SPF installed in a home.
Current Stage of Program

• Program focuses on practices and communications that can help to minimize potential for exposure to workers and building occupants to spray foam chemicals.

• Three-pronged strategic approach to SPF product stewardship:
  
  – **Worker Performance and Training** - Build and deploy a national health and safety training program for professional SPF contractors.
  
  – **Outreach** - Educate DIY’ers, consumers and the building/construction sector about key issues informing the selection of a contractor; differences between SPF products; health and safety practices for DIY’ers and consumers during and after product installation.
  
  – **Research** - Develop research and testing programs to develop a better understanding of potential exposure to chemical components for workers applying SPF and potential consumer/occupant exposure to SPF emissions.
Worker Training and Performance
Spray Polyurethane Foam: Posters

www.spraypolyurethane.com
Spray Polyurethane Foam: Guidance www.spraypolyurethane.com

Exterior Spray Polyurethane Foam Insulation
Health & Safety Q&A

For Spray Foam Contractors

This Exterior Spray Polyurethane Foam Insulation - Health & Safety Q&A is intended to provide general guidelines for the use of spray polyurethane foam (SPF) applications.

Interior Spray Polyurethane Foam Insulation
Health & Safety Q&A

For Spray Foam Contractors

This Interior Spray Polyurethane Foam Insulation - Health & Safety Q&A provides guidelines for the use of spray polyurethane foam (SPF) applications in interior settings.

Exterior Applications Using Spray Polyurethane Foam
Containing MDI/PFMDI: Seven Important Points for Spray Polyurethane Foam Contractors

This document provides guidance on the safe and proper use of spray polyurethane foam (SPF) containing polymeric diisocyanate (MDI) and polyether polyisocyanurate (PFMDI) in outdoor applications.

Guidance Document

For Spray Polyurethane Foam Contractors

This document provides general guidance on the safe and proper use of spray polyurethane foam (SPF) applications.

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New Health and Safety Training Program Now Available

Free Online Health and Safety Training for Spray Polyurethane Foam!

- Available at www.spraypolyurethane.org
- Free and easy-to-follow training program
- Learn about safety practices in under 2 hours
- Get your “Recognition of Completion” today!

Visit the Center for the Polyurethanes Industry at www.spraypolyurethane.org for more information
Worker Training: SPF Contractor

• CPI’s National SPF Health and Safety Training and Testing Module.
  – Web-based training and testing module is now available 24/7.
  – Third-party consultant implementing Learning Management System.
  – Enhanced and reformatted existing training and testing materials into 12 learning modules with accompanying workbook.
  – Searchable online database under development and to be made available to employers, systems houses, and others to confirm a worker’s training status in coordination with the program.
Outreach
New Website Launched September 2010

www.spraypolyurethane.org
Article Placements

• “How to Save on Cooling Costs,” picked up by 56 newspapers with readership over 2.4 million and an additional 32 newspapers pending with readership over 1 million, totaling combined readership over 3.4 million.

• “How to Save on Heating Costs,” to highlight the benefits of SPF to homeowners and reinforce SPF safety messages.
Research
CPI has several research projects underway to assess potential worker exposure to SPF components during spraying and potential occupant or consumer exposure to product emissions, including:

- SPF product emissions testing
- Potential worker exposure to SPF components during spraying with varying ventilation rates
- Potential worker exposure to dust during trimming/cutting
Next Stage of Spray Polyurethane Foam Product Stewardship Program
Third Party Outreach

- Spray Polyurethane Foam Alliance (SPFA)
- Systems Houses
- Association of General Contractors of America (AGC)
- Insulation Contractors Association of America (ICAA)
- National Association of Insulation Manufacturers (NAIMA)
- National Roofing Contractors Association (NRCA)
- Canadian Urethane Foam Contractors Association (CUFCA)
- National Association of Home Builders (NAHB)
- DOE Weatherization Program
- Department of Defense
- Training / Certification Organizations
New Resources on the Horizon...

- **Visual Media Guide**: Guidance for those developing visual media depicting SPF application.

- **SPF Installed in Schools**: Guidance for having SPF installed in schools.
  - Document for SPF contractors / applicators which will reinforce product stewardship practices for SPF application at schools.
  - Shorter document designed for school superintendents, principals and facilities managers to address what to expect when SPF is being installed in schools and safety considerations.

- **Spanish Translation**: On line training to be translated into Spanish this year.

- **Weatherization Training Guidance**: Guidance materials and training to be offered to weatherization workers involved in home retrofits.
Summary

- SPF is fueling economic recovery, improving energy efficiency, and supporting growth of green jobs.
- SPF can be used safely when worker health and safety is integrated into workplace practices! Green jobs should be healthy and safe jobs!
- SPF is an essential part of the solution in answering the call for improved energy efficiency nationwide, that’s why communication and training is essential.
- We are continuing to update materials and programs regularly, visit our website often.

Visit SPRAYPOLYURETHANE.COM for more information!
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