

# PaintHealthy CollisionRepair



## Publications

### Information for painters

Washington's SHARP Program Aims to Protect Painters' Health. The PaintHealthy CollisionRepair project is covered in Parts & People Magazine. <http://www.partsandpeople.com/Northwest/articles/view/6926>

Health and Safety in Washington State's Collision Repair Industry: A Needs Assessment (PDF). Contact SHARP to request a paper copy.

<http://www.lni.wa.gov/Safety/Research/Files/HazardousChem/CollisionReport.pdf>

Working with Small Business - Safety and Health in the Automotive Collision Repair Industry.

<http://www.lni.wa.gov/Safety/Research/Collision/Repair/Default.asp>

Your Lungs, Your Skin, Your Life! SHARP's article on health & safety in the collision repair industry published in the October 2006 edition of the trade magazine BodyShop Business.

[http://www.bodyshopbusiness.com/Article/2923/your\\_lungs\\_your\\_skin\\_your\\_life.aspx](http://www.bodyshopbusiness.com/Article/2923/your_lungs_your_skin_your_life.aspx)

SHARP has developed recommendations to prevent injury and illness and reduce workers' compensation costs in auto body shops. <http://www.lni.wa.gov/Safety/Research/Files/AutoBody.pdf>

### **PaintHealthy CollisionRepair research articles**

#### ***Glove and Coverall Permeation Testing***

Development of a Permeation Panel to Test Dermal Protective Clothing Against Sprayed Coatings. Annals of Occupational Hygiene 55(2) 214-227 (2011) Diana M. Ceballos, Michael G. Yost, Stephen G. Whittaker, Carolyn Reeb-Whittaker, Janice Camp and Russell Dills.

<http://www.ncbi.nlm.nih.gov/pubmed/21177261>



#### ***Isocyanate Exposure Assessment***

Field Comparison of Air Sampling Methods for Monomeric and Polymeric 1,6 Hexamethylene Diisocyanate. Journal of Occupational and Environmental Hygiene 8(3) 161-178 (2011) Jennifer M. Thomasen, Kenneth W. Fent, Carolyn Reeb-Whittaker, Stephen G. Whittaker, Leena A. Nylander-French.

<http://www.ncbi.nlm.nih.gov/pubmed/21347958>

Quantification and Statistical Modeling - Part I: Breathing-Zone Concentrations of Monomeric and Polymeric 1,6-Hexamethylene Diisocyanate. The Annals of Occupational Hygiene 53(7) 677-689 (2009) Kenneth W. Fent, Linda G. Trelles Gaines, Jennifer M. Thomasen, Shelia L. Flack, Kai Ding, Amy H. Herring, Stephen G. Whittaker and Lenna A. Nylander-French.

<http://www.ncbi.nlm.nih.gov/pubmed/19622637>

Quantification and Statistical Modeling - Part II: Breathing-Zone Concentrations of Monomeric and Polymeric 1,6-Hexamethylene Diisocyanate. *The Annals of Occupational Hygiene* 53(7) 691-702 (2009) Kenneth W. Fent, Linda G. Trelles Gaines, Jennifer M. Thomasen, Shelia L. Flack, Kai Ding, Amy H. Herring, Stephen G. Whittaker and Leena A. Nylander-French.  
<http://www.ncbi.nlm.nih.gov/pubmed/19635734>

Objective color scale for the SWYPE surface sampling technique using computerized image analysis tools. *J Occup Environ Hyg.* Oct;6(10):604-11 (2009) Diana M. Ceballos, Mike G. Yost, Stephen G. Whittaker, Janice Camp, Russell Dills. <http://www.ncbi.nlm.nih.gov/pubmed/19606376>

### **Biological Assessment of Isocyanate Exposure**

Quantitative Plasma Biomarker Analysis in HDI Exposure Assessment. *The Annals of Occupational Hygiene* 54(1) 41-54 (2010). Shelia L. Flack, Kenneth W. Fent, Linda G. Trelles Gaines, Jennifer M Thomasen, Steve Whittaker, Louise M. Ball and Leena A. Nylander-French.  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2802519/>

Factors Affecting Variability in the Urinary Biomarker 1,6-Hexamethylene Diamine in Workers Exposed to 1,6-Hexamethylene Diisocyanate. *Journal of Environmental Monitoring* (13) 119-127 (2011) Linda G. T. Gaines, Kenneth W. Fent, Shelia L. Flack, Jennifer M. Thomasen, Stephen G. Whittaker and Leena A. Nylander-French. <http://pubs.rsc.org/en/Content/ArticleLanding/2011/EM/C0EM00122H>

### **General**

Characterizing the Health and Safety Needs of the Collision Repair Industry. *Journal of Occupational and Environmental Hygiene* 5(6) 273-282 (2010) Stephen G. Whittaker, Carolyn Reeb-Whitaker.  
<http://oeh.informaworld.com/soeh/content~content=a908979576~db=all~jumtype=rss>

Survey of Dermal Protection in Washington State Collision Repair Industry *Journal of Occupational and Environmental Hygiene* 8(9) 551-560 (2011) Diana M. Ceballos, Kenneth W. Fent, Stephen G. Whittaker, Linda G.T. Gaines, Jennifer M. Thomasen, Sheila L. Flack, Leena A. Nylander-French, Michael G. Yost and Carolyn K Reeb-Whitaker.  
<http://www.tandfonline.com/doi/abs/10.1080/15459624.2011.602623>

A Laboratory Comparison of Analytical Methods Used for Isocyanates. *Analytical Methods* (Aug 2011, online publication) Diana M. Ceballos, Stephen G. Whittaker, Michael G. Yost, Russell L. Dills, Dhimiter Bello, Jennifer M. Thomasen, Leena A. Nylander-French, Carolyn K Reeb-Whitaker, Phillip M. Peters, Elisa C. Weiland and Wallace W. Suydam.  
<http://pubs.rsc.org/en/Content/ArticleLanding/2011/AY/c1ay05225j>