

REFERENCES

- (BAAQMD, 1995) Bay Area Quality Management District (BAAQMD), 1995. Technical Review Group Report: Reconsideration of Best Available Retrofit Control Technology and Reasonably Available Control Technology Guidelines for Automobile Refinishing Operations. February 24, 1995.
- (Bayer Corp., 1995) Green Chemistry Challenge Awards Program 1995-1996 nomination from Bayer Corp.; the work was also presented at the 208th ACS National Meeting in 1994.
- (Brandau, 1990) Alan Brandau, Introduction to Coatings Technology. Federation of Societies for Coatings Technology, October 1990.
- (Brooke, 1994) Lindsay Brooke, "Car Costs Automakers \$275 to Paint, Study Says," Automotive Industries, December 1994, page 32.
- (Brown, 1996) Telecon, Tom Brown, ICI Paints, with Christopher Sweet SAIC, May 1, 1996. Low VOC Paints.
- (BSB, 1995) 1995 Body Shop Industry Profile, prepared by MarketScope for Body Shop Business Magazine.
- (CAPCOA, 1996) California Air Pollution Control Officers Association, *Auto Bodyshop Industrywide Risk Assessment Guidelines*, September 1996.
- (CARB, 1991) California Air Resources Board (CARB), 1991. Determination of Reasonably Available Control Technology and Best Available Retrofit Control Technology for Automotive Refinishing Operations. January 8, 1991.
- (CCC, 1996) Site Visit to Chevy Chase Chevrolet-Geo-Oldsmobile by SAIC, April 26, 1996. Current auto body industry practices.
- (Chudy 1982) Chudy, Harry T. 1982. The Complete Guide to Automotive Refinishing. Englewood Cliffs, NJ: Prentice-Hall. pp. 1 - 14.
- (Eklund, 1995) Eklund, B.M., Nelson, T.P., Evaluation of VOC Emission Measurement Methods for Paint Spray Booths, Journal of the Air and Waste Management Association, 45:196-205, 1995.

- (Elvers *et al*, 1989) Elvers, B., Hawkins, S., Ravenscroft, M. and Schulz, G., eds. 1989. Isocyanates, Organic. In: Ullmann's Encyclopedia of Industrial Chemistry, fifth edition, Vol. A14. New York, NY: VCH.
- (Fettis, 1995) Fettis, G. Automotive Paints and Coatings. VCH Publishers, 1995.
- (Freedonia 1991) Freedonia. 1991. "Automotive Finishes to 1995". Cleveland, OH: The Freedonia Group. Report No. B272. Excerpts extracted from DIALOG File 763 (Freedonia Market Research)
- (Garcia, 1996) Telecon, Bill Garcia, DeVilbiss Corporation, with John Vierow, SAIC, April 4, 1996. Spray booth design in automobile refinishing industry.
- (Gum *et al*, 1992) Gum, W.F. et al, eds. 1992. Reaction Polymers -- Polyurethanes, Epoxies, Unsaturated Polyesters, Phenolics, Special Monomers, and Additives. Chemistry, Technology, Applications, Markets. New York: Oxford University Press.
- (Hedaya et. al.,1981) Hedaya, Eddie & Theodoropoulos, Spyros (Union Carbide Corp.) 1981. "Halosilyl carbamates and isocyanates derived therefrom", Can., Division of Can. Appl. No. 278,460. (CA 1108174 A2 810901).
- (Heitbrink, 1996) W.A. Heitbrink, R.H. Verb, T.J. Fischbach, and M.E. Wallace: A Comparison of Conventional and High Volume-Low Pressure Spray-Painting Guns. Am. Ind. Hyg. Assoc. J. (57)/March 1996 pp. 304-310.
- (Heitbrink, 1995) W. A. Heitbrink, M.E. Wallace, C.J. Bryant, and W.E. Ruch: Control of Paint Overspray in Autobody Repair Shops. Am. Ind. Hyg. Assoc. J., Vol. 56, p. 1023-1032 (1995).
- (Hellbach *et al*, 1984) Hellbach, H., et. al. 1984. "Multistep process for producing 3-isocyanatomethyl-3,5,5-trimethylcyclohexylisocyanate", BASF A.-G. (Germany's patent) DE 3314790 A1841025.
- (Hunter and Rotman, 1994) Hunter, D., and Rotman, D. 1994. "Huls plans diisocyanate unit based on new phosgene-free process", Chemical Week, Feb.23, p.18.
- (Janko, 1992) Janko, M., McCarthy K., Fajer M., and van Raalte. Occupational Exposure to 1,6-Hexamethylene Diisocyanate-Based Polyisocyanates in the State of Oregon, 1980-1990. American Industrial Hygiene Association Journal 53(5):331-338 (1992).

- (Kirk-Othmer, Kirk-Othmer, Encyclopedia of Chemical Technology, 1992, Volume 6, 1992) pp.635-709.
- (Lab Safety, 1996) Lab Safety 1996 Catalog and Price List
- (LeSota, 1978) Stanley LeSota, ed. Paint/Coatings Dictionary. Federation of Societies for Coatings Technology, 1978.
- (Merger *et al*, 1984) Merger, F., Towae, F., Hellbach, H., Koehler, M., and Isbarn, G., 1984. "Multistage process for producing hexamethylene diisocyanate and/or isomeric diisocyanates", BASF A.-G. (Germany's patent) Ger. Offen., DE 3314788 A1 841025.
- (NIOSH, 1989) NIOSH 1989, Current Intelligence Bulletin 53 "Toluene Diisocyanate (TDI) and Toluenediamine (TDA)" Publication No. 90-101
- (NIOSH, 1996) NIOSH 1996, "NIOSH Hazard Controls" Publication No.96-106, Cincinnati, Ohio
- (Oertel, 1985) Oertel, G., ed. 1985. Polyurethane Handbook. New York: Macmillan Publishing Co., Inc.
- (Patterson, 1996) Facsimile, George Patterson, E.I. duPont, to John Vierow, SAIC, June 14, 1996. Paint solids removal in new automobile manufacturing spray booths.
- (Paul, 1986) Paul S. 1986. Surface Coatings: Science and Technology. New York: John Wiley & Sons. p. 276.
- (Pfanstiehl, 1992) John Pfanstiehl, Automotive Paint Handbook, HPBooks, Los Angeles, 1992.
- (Rauch 1991) Rauch. 1991. The Rauch Guide to the U.S. Paint Industry, 1990. Bridgewater, NJ: Rauch Associates.
- (Rodriguez, 1987) Vanessa Rodriguez, "Generic Engineering Assessment: Spray Coating Occupational Exposure and Environmental Releases. October 1987.
- (Rosenberg, 1984) Rosenberg, C. and Tuomi, T. 1984. Airborne Isocyanates in Polyurethane Spray Painting: Determination and Respirator Efficiency. Am. Ind. Hyg. Assoc. J. 45(2):117-121.

- (Schrantz, 1992) J. Schrantz, "What's New in HVLP Spray Guns?" *Industrial Finishing*, June 1992, pp 34-38.
- (Schmidt, 1996) Telecon, Steve Schmidt, Mine Safety Appliances, Inc., with Christopher Sweet, SAIC, August 12, 1996. Respirator Use in Auto Refinishing Industry.
- (Sokolovic, 1996) R.S. Sokolovic, "New Technology for Waste Water from Water-Washed Paint Spray Booths," *Environmental Technology*, 17, pp. 35-43 (1996).
- (TNRCC, 1995) Small Business Technical Assistance Program of the Texas Natural Resource Conservation Commission and Clean Texas 2000 Publication, 1995.
- (USEPA, 1994) U.S.EPA, Alternative Control Techniques Document: Automobile Refinishing. April 1994, EPA-453/R-94-031.
- (USEPA, 1994a) U.S. EPA, Alternative Control Techniques Document: Automobile Refinishing. April 1994, EPA-453/R-94-031.
- (USEPA, 1994b) U.S. EPA, Automobile Assembly Plant Spray Booth Cleaning Emission Reduction Technology Review. 1994, EPA-453/R-94-029.
- (Watkins, 1996) Telecon, Mark Watkins and Janis Lakey, California Air Resources Board, with Christopher Sweet SAIC, April 24, 1996. Low VOC Paints.
- (Yagii *et al.*, 1988) Yagii, Toyokazu *et. al.* 1988. "Manufacture of isocyanates without phosgene", PCT Int. Appl., Japan patent to Daicel Chemical Industries, WO 8805430 A1 880728.
- (Zengel, 1980) Zengel, H. G. 1980. "A new phosgene-free process for trans-cyclohexan-1,4- and benzene-1,4-diisocyanate", Akzo Corp. Res., Obernburg, Fed. Rep. Ger., Cell. Non Cell. Polyurethanes, Int. Conf., 315-325, Publisher: Hanser, Munich, Fed. Rep. Ger. (German).