

FOR IMMEDIATE RELEASE
Today's Date Here

Contact: Cyndy Glynn
Gebauer Company
(800) 321-9348, x162

**RECENTLY PUBLISHED CLINICAL STUDY REPORTS THAT
NEW TECHNIQUE USING GEBAUER'S ETHYL CHLORIDE[®] HELPS
TO SIGNIFICANTLY REDUCE IMMUNIZATION PAIN AND
DISCOMFORT IN 4- TO 6- YEAR-OLD-CHILDREN**

Cleveland, Ohio – Gebauer Company, a 110-year-old medical device manufacturer and marketer of topical anesthetic skin refrigerants (vapocoolants), today announced that one of its products, Gebauer's Ethyl Chloride, was used in a study published in *Pediatrics*, the official journal of the American Academy of Pediatrics (August 1, 2009, Volume 124, Issue 2). The study tested a multi-faceted distraction method designed to reduce injection associated pain in school-aged children and was conducted by Dr. F. Ralph Berberich and co-investigator Zachary Landman, BA of the Pediatric Medical Group in Berkeley, California.

The study evaluated 41 children ages 4 to 6 who were given three standard pre-kindergarten immunizations. Two vaccines were administered as intramuscular injections in one arm and the third was administered as a subcutaneous injection in the other arm.

Twenty-one participants were assigned randomly to an office routine control group, and the remaining 20 participants received a multi-faceted, discomfort reducing intervention. The intervention added verbal suggestions of diminished sensation and a visual focusing activity to the use of Ethyl Chloride.

The subjects were shown a commonly used pain scale and asked to choose the image that best represented the way he or she felt. The parent was also shown the pain scale and asked to score the degree of discomfort the child seemed to experience. The intervention and administration of vaccines was filmed by the co-investigator, who scored pain according to the FLACC pain assessment tool that quantifies pain behaviors (facial expression-leg movement-crying-consolability).

The intervention group showed highly significant reductions in pain and discomfort compared with the control group. The researchers concluded, "This multi-faceted distraction intervention reduced significantly the pain and discomfort of childhood immunizations in children 4 to 6 years of age."¹

Important Risk and Safety Information: Ethyl Chloride is FLAMMABLE and should never be used in the presence of an open flame or electrical cautery equipment. Inhalation of Ethyl Chloride should be avoided. Do not spray in eyes. Over spraying may cause frostbite. Freezing may alter skin pigmentation. Published clinical trial data supports the use of the vapocoolants on children ages 3 and up.

“The Gebauer Company believes that no one, especially a child, should have to endure unnecessary pain or anxiety, when that pain can be so easily eliminated. We are very pleased to see research results that support our corporate philosophy,” stated John A. Giltinan, Gebauer CEO and Board Chairman.

The Gebauer Company manufactures topical anesthetic skin refrigerants used for controlling pain associated with injections, venipuncture, minor surgical procedures, muscle spasms, sprains and strains. In addition to Ethyl Chloride, core products include Gebauer’s Pain Ease[®] and Gebauer’s Spray and Stretch[®].

The Company is located in the city of Cleveland, Ohio and moved to a new 58,000 square foot corporate headquarters and manufacturing facility in June of 2004. The facility includes several production suites, analytical and development laboratories, and distribution center. Gebauer Company is certified to ISO 9001, ISO 13485 and is FDA GMP compliant.

For a complete copy of the study, click here, or go to www.gebauer.com. From there go to Our Company, then Clinical Trials. For more information regarding Gebauer Company and its products, also visit www.GebauersPainEase.com

- 1 F. Ralph Berberich, MD, and Zachary Landman, BA, Reducing Immunization Discomfort in 4- to 6- Year-Old Children: A Randomized Clinical Trial, Pediatrics 2009; 124: 203-209.

###