TECHNICAL DATA AND BACKGROUND

Introduction

Our family of detection and identification products provide law enforcement officers and investigators distinct advantages for field and laboratory use. As with all our products, they are first and foremost non-toxic, non-carcinogenic and will not harm the environment. In addition, they insure a testing process which is convenient, fast and effective. No powders, mixing or waiting time required. Results appear in seconds. No additional tools or equipment required. The identification/detection process requires no special training and testing can be preformed "on the spot."

Nin Plus Ultra is an aerosol-based latent fingerprint development product for use on porous surfaces (e.g. checks, paper, etc.). **Nin Plus Ultra** contains active ninhydrin. Product modifications have been incorporated to remove aromatic hydrocarbons, ozone sensitive chemicals such as CFCs and other toxic substances. In addition, **Nin Plus Ultra** meets candle tests for non-flammability. **Nin Plus Ultra** dramatically shortens print development time. Latent fingerprints begin developing in as few as 20 minutes. With the application of a wet heat source, development can be accelerated to within 5 minutes.

Ferrotrace is an iron image detection spray that reveals invisible iron traces left on a suspects' hands after touching a weapon. **Ferrotrace** offers superior sensitivity, convenience and ease of use over other currently available field tests. Even after a weapon (e.g. gun, knife, hand grenade, etc.) has been removed from the scene of a crime (or destroyed), an officer can quickly screen a large number of suspects by spraying **Ferrotrace** directly onto hands, palms, fingers or environmental surfaces such as paper. If the suspect was in contact with a weapon containing iron elements, the invisible iron traces will turn a dark violet color. Positive reactions appear only from touching iron which is <u>uncoated</u>.

See-Through is a transparency detection spray used to inspect the contents of suspect envelopes and documents. It is a clear liquid that is non-conductive. Simply spray the suspect envelope or document from a distance of 4 inches, getting the document wet. Observe the contents. After the document or envelope is dry, **See-Through** will not leave any traces or marks. **See-Through** will not damage ink or address markings.

UV Trap is an oil based, ultraviolet invisible identification spray designed to mark non-porous items (e.g. door handles, desks, etc.) for investigative purposes. **UV Trap** offers several distinct improvements over conventional ultraviolet marking products. First, **UV Trap** is an oil based spray, not a dry particulate in either powder or pencil form. Consequently, it is not easily transferred to others. Second, because the ultraviolet particles are embedded inside the oil, when a marked item is touched, the ultraviolet particles will remain on the skin for a minimum of 48 hours despite repeated washing with soap and water.

SPR Black & White are aerosol-based fingerprinting products for the development of latent prints on wet, light and dark, smooth non-porous surfaces. Earlier methods based on dispersed particles in aqueous solutions required the field mixing of powders, water and other ingredients to achieve similar results. The process was messy and cumbersome. Furthermore, the powder often created an ineffective thick mud-like liquid. **SPR Black & White** overcomes past problems by incorporating product modifications which result in a prepackaged solution which is warranted with a shelf life of 1 year. As an investigative tool **SPR Black & White** helps preserve and collect important evidence at the scene of the crime.

For more information on our full line of forensic and other products, including technical data and pricing information, please contact the Mistral Group representative nearest you or e-mail us or visit our web site at: