

# NOVUS BASE – CAUSTIC ALERT SYSTEM



**IMMEDIATE VISUAL DETECTION  
FOR LEAKING BASES & CAUSTICS**

## Creating an effective, safe and sustainable environment exceeding the needs of industry

### Product Description:

**Novus Base–Caustic Alert System** is a white water base coating specially formulated to be an alkaline base indicator for solutions with a pH 10 or greater. The cured film of the Novus Base-Caustic Detecting Paint will respond to alkalinity, turning the coating from a bright white to a deep, brilliant blue, immediately. Novus Base-Caustic Alert System provides an immediate visual indication of a spill or leak at extremely small quantities. This is an exceptional latex coating with superior durability and easy application. Novus Base-Caustic Alert System is often the only method of leak detection available. Use on potentially hazardous surfaces such as valves, pipes, clamps, expansion joints, threaded connections, hose connections, flow indicators, flanges, pumps, tanks, sample ports, weld sites or any place where a leak or spill may occur. The reaction to Base-Caustic at pH 10 and above is instantaneous. Novus Base-Caustic Alert protects employees, expensive equipment and the environment. Visually detects leaks before the situation becomes catastrophic. Enhances on-site Safety and Hazmat programs.

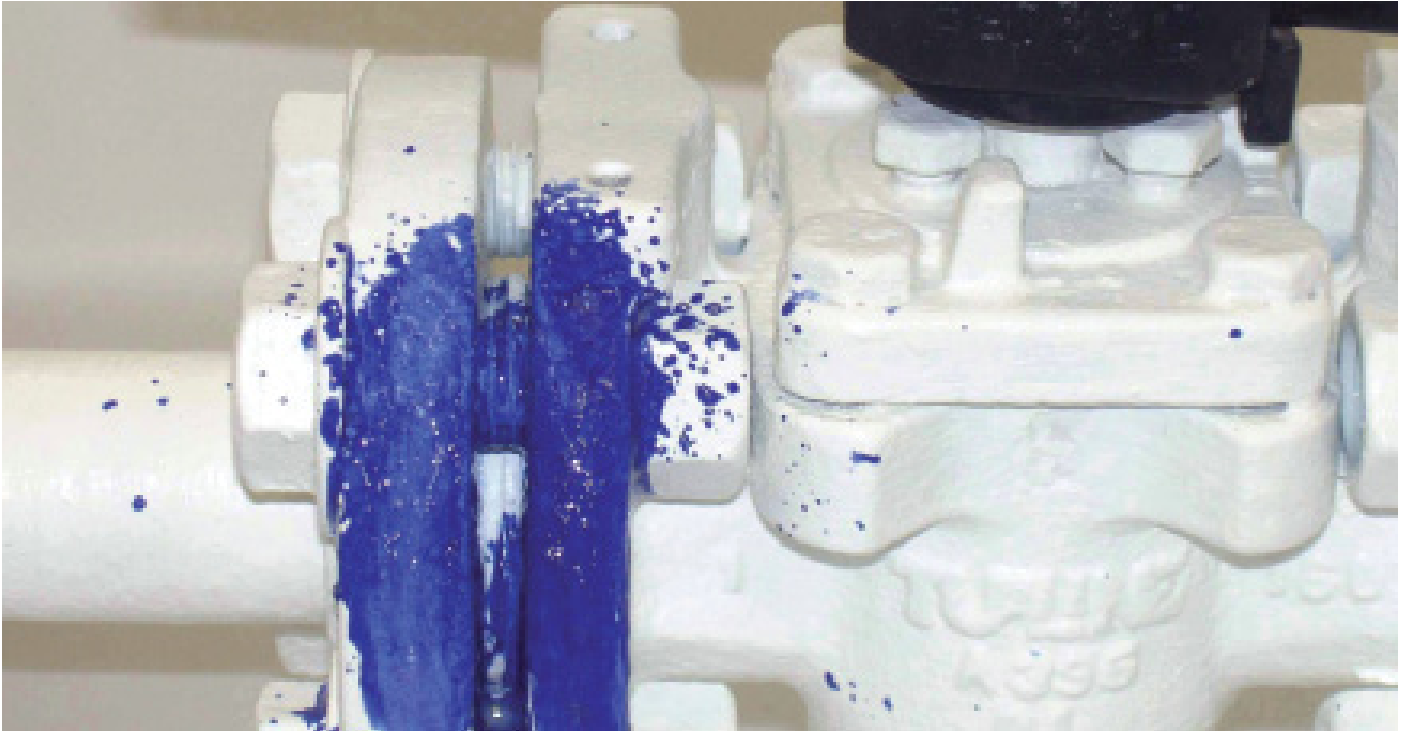
**BRIGHT WHITE PAINT TURNS BRILLIANT BLUE  
AT PH 10 AND ABOVE**

**PATENTED - BRUSH - ON FORMULA - LATEX - LOW VOC**

**Helps to isolate the origin of the leak**



**Reverses from blue to white when leak is repaired  
and base / caustic is rinsed with water**



## Benefits

- Instantly Identify base / caustic
- Reduce Hazards
- Enhance OH&S Programs
- Protect Staff
- Minimize Risk
- Increase Asset Reliability

## Use on:

- Flanges
- Valves
- Pipes and Tanks
- Weld Sites
- Sample Ports
- Secondary Containment Facilities
- Unloading Sites
- Seams
- Storage Facilities
- Laboratory Surfaces
- Weep Holes
- Pumps
- Anywhere Accidental Leaks / Spills May Occur

## Detects the presence of:

- Sodium Hydroxide
- Potassium Hydroxide
- Calcium Hydroxide
- Lithium Hydroxide
- Ammonium Hydroxide
- Rubidium Hydroxide
- Cesium Hydroxide
- Sodium Metasilicate
- Trisodium Phosphate
- Strontium Hydroxide
- Barium Hydroxide
- Other Basis pH 10 & Above

## Quality Products

### Available in:

- 3.79 ltr – Gallon
- 0.94 ltr – Quart

### FAQ

**What is Base Detecting Paint and how does it work?** Base Detecting Paint is a latex, base/caustic detecting paint, that is formulated for industrial application. Base Detecting Paint immediately turns from BRIGHT WHITE to BRILLIANT BLUE in the presence of bases pH 10 or higher.

**What is different and unique about Base Detecting Paint?** The Patented Base Detecting Paint REVERSES it's color and turns back to BRIGHT WHITE when the leak has been isolated, repaired, and flushed with water. The BRIGHT WHITE color verifies the repair and is ready to detect another leak.

**Does the Base Detecting Paint have to be stripped off and reapplied after each base exposure?** NO! Simply flush with tap water or a mild acidic solution until the bright white color returns and the Base Detecting Paint is ready to reveal the next leak incident. Under exceptionally harsh conditions, or if physical, chemical or thermal damage has occurred to the paint, a new application or touch up of the Base Detecting Paint will be necessary.

**How is the Base Detecting Paint applied?** Base Detecting Paint is designed as a brush-on formula. Apply Base Detecting Paint as you would any other quality exterior latex paint product to 0.1 mm dry thickness, which equates to approximately two brush coats, using a quality brush or roller. Spraying is an option. Thin with water. Allow adequate dry and cure time. Does a primer coat need to be applied? It is essential to use a quality grade primer. Use a latex primer with rust inhibitor over raw metal. The surfaces need to be clean, dry, oil, rust, dust, and contamination free. Contact us for our high quality grade primer.

**Can Base Detecting Paint be applied over existing paint?** Yes. Base Detecting Paint may be applied over existing latex coatings as long as the surfaces are clean, dry, oil, rust, dust, and contamination free. If the existing coating is glossy and/or is less than one year old, it may not have sufficient porosity to facilitate satisfactory adhesion. In such instances, scuff sand overly smooth surfaces and/or use a transition coating. Typically, applying a latex-based coating over a solvent-based coating requires a transition coating to achieve innercoat adhesion. One transition practice used is to wipe down the solvent based coating surface with xylene or laquer thinner which makes it tacky and open and receptive to the latex based coating.

**Once applied, how long does the Base Detecting Paint last?** Base Detecting Paint should last a minimum of two years interior or exterior. Under exceptionally harsh conditions, regular inspections should be conducted to assure the coating is in excellent condition. Since the Base Detecting Paint was developed as a safety coating, not a protective coating, it is always good practice to assure the coating is in excellent condition. The shelf life of our Base Detecting Paint is two years in the factory-sealed can at ambient temperature.

**Does Base Detecting Paint contain any heavy metals such as lead?** NO! It is all organic. There are no metals in the formula.

**Can Base Detecting Paint help with turn around time and new installations?** Absolutely! All surfaces coated with the Base Detecting Paint in a new installation or during a repair period become an invaluable aid at start-up time. Each industry, and each company and plant may have different SOP's at startup time, but a good practice is to station plant personnel at sensitive areas when a product is first flowed. If there is a base/caustic leak, the BRIGHT WHITE paint will instantly turn BRILLIANT BLUE. The leak can then be isolated, repaired, neutralized, and rinsed. The process can then resume, and our Base Detecting Paint will help determine if the leak is repaired properly, and warn you if there are any additional leaks.



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