

# Immediate Visual Detection for Leaking Acids & Acid Vapors

## On Guard™

**NGC**

PRODUCT SOLUTIONS™

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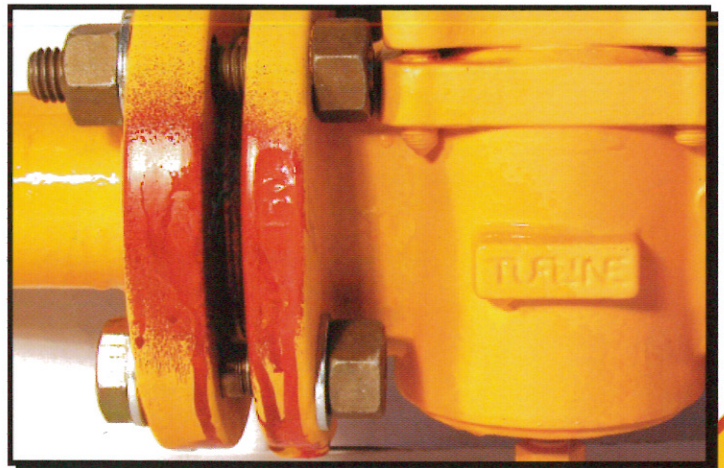
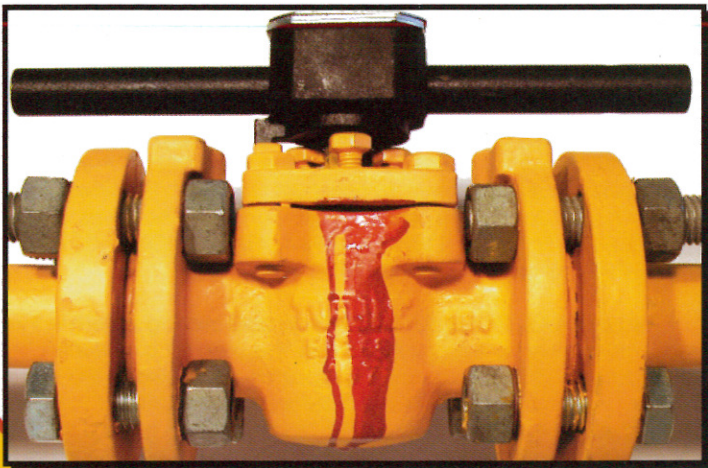
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PATENTED • BRUSH-ON FORMULA • VOC COMPLIANT

## ACID ALERT™ SYSTEM

Golden **YELLOW** Paint Turns **RED** at pH 3 and Below



Protects employees, expensive equipment, and the environment

Visually detects leaks before the situation becomes catastrophic

Enhances on-site Safety and Hazmat programs

Helps isolate the origin of the leak

Reverses from red to yellow when leak is repaired and acid is rinsed with tap water or an alkaline solution

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## Use On Guard™ On:

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

## On Guard™ Detects the Presence of:

- Citric Acid
- Hydrochloric Acid & Vapor  
- Chlorine
- Hydrofluoric Acid & Vapor
- Oxalic Acid
- Nitric Acid and NOx Vapor
- Trifluoroacetic Acid
- Sulfuric Acid
- Phosphoric Acid
- Glacial Acetic Acid & Vapor
- Perchloric Acid
- Other Acids and Acid Gases

## Questions & Answers • The Basic Facts

### What is ON GUARD™, and how does it work?

ON GUARD™ is an Acrylic Modified Alkyd Enamel acid indicating paint that is formulated for industrial application. ON GUARD™ immediately turns from GOLDEN YELLOW to BRILLIANT RED almost instantaneously in the presence of acids and acid vapors pH3 or below.

### What is different and unique about ON GUARD™?

Patented ON GUARD™ REVERSES its color and turns back to GOLDEN YELLOW when the acid leak has been repaired and the painted surface is flushed with water or a mild alkaline solution. It verifies the repair and is ready to detect another leak.

### Does ON GUARD™ have to be stripped off and reapplied after each acid exposure?

NO! Simply flush with tap water or a mild alkaline solution until the golden yellow color returns and ON GUARD™ is ready to reveal the next leak incident.

### How is ON GUARD™ applied?

ON GUARD™ is designed as a brush-on formula. Apply ON GUARD™ as you would any other quality exterior paint product to 4mil dry thickness, which equates to 2-3 brush coats, using a quality brush or roller. Spraying is an option, allow adequate dry time.

### Does a primer coat need to be applied?

It is strongly recommended using a quality grade primer when applied over raw metal. The surfaces need to be clean, dry, oil and rust free. We now offer a quality primer and strongly recommend it's use.

### Can ON GUARD™ be applied over existing paint?

ON GUARD™ can be applied over existing paint as long as surfaces are clean, dry, oil and rust free.

### Once applied, how long does ON GUARD™ last?

ON GUARD™ should last a minimum of two years "outside" or better than two and one half years if used "inside". Under exceptionally harsh conditions, such as temperatures above 200°F, visual checks should be made at 6-12 months. If ON GUARD™ begins turning light brown, repainting will be necessary. The shelf life is one year in the factory-sealed can at ambient temperature.

### Who is using ON GUARD™ and where is it used?

Many Alkylation Refineries and Chlorine Facilities in the U.S. and around the world are now using ON GUARD™. Processors and transporters of acids are using ON GUARD™. Those responsible for EMPLOYEE SAFETY, ENVIRONMENTAL PROTECTION and PRODUCT INTEGRITY are using ON GUARD™.

### Is ON GUARD™ helpful if there is an acid sensing system in the area?

Yes! If a sensor is triggered, check the area for a revealing "RED" leak site. Saves time, speeds repair and improves EMPLOYEE SAFETY by identifying the leak from a distance. ON GUARD™ may actually reveal a leak before electronic "sniffers" when there is a very low volume leak.

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