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## 940 IRON & MANGANESE STAIN REMOVER

### 1. PRODUCT DATA

**Date of Preparation:** March 1, 2015

**Product Name:** 940 Iron & Manganese Stain Remover

**Producer:** Diedrich Technologies, A Hohmann & Barnard Company, 310 Wayto Road, Schenectady, NY 12303

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*This product is manufactured for Commercial/Industrial use. Not recommended for: Household use.*

### 2. PRODUCT DESCRIPTION

Diedrich 940 Iron & Manganese Stain Remover is a specially formulated product for the effective removal of iron, manganese, acid burn, straw stains and other metallic stain/discoloration, from brick, stone and concrete surfaces.

Metallic staining control is dependent on a variety of surface and job site controls. Moisture control is the most prevalent factor to be addressed. If excessive amounts of moisture have been allowed to enter and/or build up in the masonry wall cavities, as a corrective measure, the top wall openings should be covered to prevent additional moisture entrance. The wall must then be allowed to thoroughly dry before attempts at stain removal with DIEDRICH 940.

### 3. TEST AREAS

A test patch **MUST** be cleaned prior to full scale cleaning operations. The test patch is necessary to determine compatibility and required end results. Individual surface types must be tested. Inspection of the test areas should occur after the surface has thoroughly dried. The test patch should be available for inspection and approval, then remain as the standard for the project.

### 4. PRECAUTIONS

**Personnel:** All workers must be protected with complete body coverage by rubber or polyethylene suits, boots, gloves, face shield, and protective headgear. Avoid contact with eyes and skin. Any exposed skin should be covered with a liberal coating of Vaseline®. Use with adequate

ventilation. If used in confined area use of respirator with the appropriate filler may be required.

When product is to be used on an occupied building, the following steps should be taken to protect occupants from fumes. Close all windows and cover air intakes and exterior air conditioning vents. Also shut down air handling equipment during application and for 30 minutes following.

**Interior Use:** All metal fixtures in interior should be removed or protected with a plastic cover as they will be damaged by chemical fumes.

**Adjacent Areas:** Protect all glass, vegetation, electrical, anodized aluminum, painted surfaces, asphalt roofing, cars and other adjacent items, buildings and occupants with proper precautions, plastic coverings, and by soaking with water. Avoid wind drift as it may injure passerby or damage vehicles. Divert traffic.

#### **KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.**

Safety lines and suspended scaffolding must be equipped with steel or synthetic fiber ropes.

#### **THIS PRODUCT MAY AFFECT ANODIZED ALUMINUM. PROTECTION WITH PLASTIC SHEETS IS IMPERATIVE.**

Use only plastic pumps and utensils. Do not add to or mix with other chemicals or cleaners. The solution is not usually damaging to other surfaces encountered in the masonry wall, but caution should be exercised to confine the material to the surface being treated.

#### **THOROUGHLY TEST ALL SURFACES BEFORE USING.**

### 5. APPLICATION

Apply concentrated DIEDRICH 940 to the surface being cleaned. Application can be with a synthetic bristle brush, or the most effective method of application is with Diedrich Acid Express Sprayer or with an acid resistant airless low-pressure sprayer. Allow 3 – 5 minute dwell time, then reapply. Allow another 3 – 5 minute dwell time then rinse with water. Application of the rinse water should be with pressure pumping equipment fitted with a fan type tip.

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Equipment providing 500 p.s.i. at 3 – 5 gallons of water per minute will give the best results.

**Interior Use:** Follow application procedure above. If conditions restrict the amount of water for rinsing, the rinse water can be applied with a stiff bristled scrub brush.

**Note:** If a prior siliconed brick needs cleaning, the 940 IRON & MANGANESE STAIN REMOVER should be diluted 1 part warm water to 1 part concentrate and follow steps outlined above.

## 6. COVERAGE

Typical coverage is 150 sq.ft./gallon. Area coverage can be increased with dilution.

## 7. AVAILABILITY AND COST

Available through a network of 1500 distributors and over 2000 contractors locations through the United States, Canada, Mexico and Europe. Cost will fluctuate according to type of masonry to be cleaned, freight and labor cost and other variables.

**WARRANTY:** ALWAYS USE A TEST SAMPLE TO DETERMINE DESIRED RESULTS. PRODUCT FREEZES BELOW 32°F, AND MAY BE ADVERSELY AFFECTED BY COLD WEATHER.

DIEDRICH TECHNOLOGIES, INC., warrants that the product will conform to the description and specifications set forth on the product label and will be free from defects in material and workmanship. The exclusive remedy of the Buyer in the event that the product does not so conform shall be the replacement of the product. This warranty is expressly made in lieu of any and all other warranties expressed or implied, including the warranties of merchantability and fitness, and Diedrich Technologies, Inc., shall not be liable for any loss or damage, directly or indirectly, arising from the use of such merchandise or for consequential or incidental damages. While Diedrich Technologies Inc. believes that the data contained herein is accurate and the information is based on test and data believed to be reliable, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Manufacturer shall not be responsible for any contamination, or related testing or removal costs resulting from use of this lead-free product on any material containing lead or other toxic or environmentally hazardous substances. Since the actual use, by others, is beyond our control, no guarantee, expressed or implied is made by Diedrich Technologies Inc., as to the effects of such use, the results to be obtained, or the safety and toxicity of the product referred to herein. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular conditions or circumstances exist or because of applicable laws or governmental regulations. All claims of any kind against manufacturer arising from or related to this product in any way shall be decided by binding arbitration in accordance with the Construction Industry Arbitration rules of the American Arbitration Association. **Copyright © 2015**

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