

MONOCHEM

METAL ETCH®

TECHNICAL BULLETIN



Cleans & Prepares Metal For Painting

MADE IN U.S.A.

PRODUCT DESCRIPTION:

ITEM NO. 9400

METAL ETCH is a water-reducible liquid that maximizes adhesion of upcoming paint jobs by producing a clean and etched metal surface.

ADVANTAGES:

- Excellent for galvanized surfaces.
- Removes rust, oil and grease.
- Prepares all metals including: steel, iron, zinc and aluminum for priming/painting.
- Prepares metals for welding & soldering.
- Creates an ideal metal surface for painting.
- Treats up to 400 sq/ft per gallon.

SURFACE PREPARATION:

All metal surfaces should be free of loose paint, dirt, rust and other contaminants prior to application. Wire brushing or mechanical brushing will remove loose paint while a fast-drying solvent, such as acetone, will remove most oils and grease.

APPLICATION:

(See Protection Instructions Below)

Use protective neoprene gloves, eyewear, and protective clothing and boots when handling or applying **METAL ETCH**.

- For application on new galvanized surfaces use **METAL ETCH** as-is; do not dilute.
 - For application on old galvanized surfaces, mix 1 part of **METAL ETCH** to 3 parts water.
 - For application on heavily rusted surfaces, mix 1 part of **METAL ETCH** to 1 part of water.
- Always allow the surface to dry thoroughly prior to painting.

Apply by brush or mop. Allow the liquid compound to remain on the metal surface for five minutes. Remove excess solution from the surface thoroughly with water and wipe the surface dry with rags.

DRYING & RECOATING TIME:

METAL ETCH dries in a few minutes and may be re-coated after 30 minutes, during normal atmospheric/weather conditions.

For best results, use a metal primer within four hours of etching a metal surface.

APPLICATION CAUTIONS:

- Allowing **METAL ETCH** to remain over metal for an unlimited time will result in heavy etching and can corrode and leave pits, creating an uneven surface.
- Rinsing and diluting **METAL ETCH** with water will bring the pH level to a neutral and harmless level for plants and animals.
- Care should be taken not to rinse the product directly over concrete. **METAL ETCH** acid contents will react and etch the concrete.

TECHNICAL DATA:

Solvent Type.....	Water
Color.....	Dries to dark grey
Finish.....	Flat
VOC Level.....	Zero
Weight Per Gallon.....	9.3 Lbs
PH.....	2-4
Composition.....	100% Phosphoric & Nitric Acid

PROTECTION INSTRUCTIONS:

Please Read All Caution Information Before Opening Container.

WARNING! METAL ETCH contains acid. Skin and eye contact may cause burning.

- Avoid contact with skin, eyes and clothing.
- May cause injury to the mucous membrane if a proper respirator is not used.
- Harmful if swallowed.
- Keep the container closed, dry and do not reuse the empty container.
- Use only in well ventilated areas. Do not use in closed or confined areas.
- A NIOSH approved respirator and cartridge should be worn. Avoid breathing the dust or mist during application.

FIRST AID:

If **METAL ETCH** comes in contact with eyes or skin, or if is swallowed get medical attention immediately.

If swallowed drink 1 or 2 glasses of water or milk immediately. Never attempt to give an unconscious person anything by mouth.

Eye contact: Immediately flush with water for at least 15 minutes.

Skin contact: Wash with soap and water. Remove all contaminated clothing.

KEEP OUT OF REACH OF CHILDREN.

WARRANTY INFORMATION: MONOPOLE believes that the information in this publication is an accurate description of the typical characteristics and/or uses of the product or products. It is your responsibility to thoroughly test the product in your specific application to determine its safety and performance capabilities. Since use of this product is beyond our control, MONOPOLE, INC. cannot assume any risk or liability for results obtained when not used according to our specifications and directions. Unless MONOPOLE provides a specifically written statement of fitness for a particular use, MONOPOLE'S sole warranty is that the product will meet its current sales specifications. MONOPOLE disclaims any other expressed or implied warranties, including the warranty of merchantability and fitness for use. Your exclusive remedy and MONOPOLE'S sole liability for breach of warranty is limited to a refund of the purchase price or replacement of any product proven to be defective. In no event shall the seller be liable for any loss of profits or other consequential damages, including labor charges.

5

METAL RESTORATION & CLEANING 05900
SPECIALTY CHEMICALS

MONOPOLE INC.
UPDATED MAY 2012



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