



# PRODUCT PROFILE

## METAL TREATMENT

### METAL PREP™

FORMULA 119

Phosphatizer and Cleaner



#### DESCRIPTION

Metal Prep™ is a **ONE-STEP** acid cleaner, phosphate coater and light rust stripper. It is used to wipe down metal, remove light rust and heat treat scale and hard water lime. It also gives a light phosphate coating to metals prior to finishing for better paint adhesion and bonding.

#### AT A GLANCE

- > **Acts as a combination cleaner/coater.**
- > **Very Stable in hard water.**
- > **Increases the bond between metal and paint.**



#### APPLICATIONS

Machine Shops  
 Manufacturing Plants  
 Remanufacturing Plants

Powder Paint Facilities  
 Liquid Paint Facilities

#### SPECIFICATIONS

**Physical Form:** Liquid

**pH (1% dilution):** 2.0 - 3.0

**Recommended Dilution:** 5-10 : 1 - See label

**DOT Class:** Corrosive

**Color:** Clear

**Fragrance:** None

#### PRODUCT AVAILABILITY

Available Sizes	Container Type	Weight per Container	QTY per pallet	Ships UPS	Additional Hazard Fee
5 Gallon	Round Pail	50 lbs.	20	Yes	Yes
55 Gallon	Poly Drum	550 lbs.	4	No	N/A



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Sample Label

**METAL TREATMENT**

**KO**

**METAL PREP™**

**CLEANER, RUST REMOVER AND PHOSPHATIZER**

**FORMULA 119**

**NET CONTENT 5 Gal (19 Liters) ■ 55 Gal (209 Liters)**

**DIRECTIONS:**  
Dilute from 5:1 to 10:1 with water, spray on to metal surface and let sit for 1 to 3 minutes, rinse well with water. In some cases a sealant is incorporated into the rinse water.

**INGREDIENTS:**  
Water, Sodium Phosphate, Phosphoric Acid, Nonionic Surfactant.

**WARNING:**  
Caution!! Irritant!! May cause severe eye irritation upon direct eye contact. Prolonged or repeated skin contact may cause reddening and irritation. Inhalation of mist may irritate nose, throat and mucous membranes. Ingestion can irritate or burn mouth, throat and stomach. Wear proper protective clothing when handling.

**FIRST AID:**  
Eyes: Flush with water for 15 minutes and get medical attention if irritation persists. Skin: Flush thoroughly with water. Inhalation: Remove patient to fresh air. Ingestion: Dilute by drinking 2 large glasses of water. Consult a physician immediately.

**CAUTION:** Refer to our MSDS regarding Handling and disposal of this product.

**EMERGENCY:** Call Chemtrec day or night for assistance concerning spilled material, fire, explosion, or other accidents. 1-800-424-9300

Manufacturer's liability is limited to its label description. MANUFACTURER MAKES NO WARRANTY, EXPRESS OR IMPLIED, REGARDING THE PRODUCT, IN NO CASE SHALL MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR DIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Manufacturer and Seller's liability shall be limited to return of the purchase price.

The above may be affected by state or local government restrictions or laws. Some states do not allow any limitations upon implied warranties of fitness and merchantability for certain products.

KO MANUFACTURING, INC.  
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Attention: Refer to our Material Safety Data Sheet regarding hazards, personal protection, and disposal of this product.

## RESEARCH

Through R&D and field testing, KO Chemists combine creativity with technology to bring you products with the performance you require. Using our sophisticated KO lab we continually test new products, existing products, and our manufacturing processes for effectiveness and affordability. When a new product meets our requirements, it goes to a select group of end-users for real-world evaluation. Only after testing, evaluating, and re-testing is a KO product ready for distribution.

**KEEP IT CLEAN™**  
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