

# SKYCO TECHNICAL BULLETIN



Compounded exclusively by The Skybryte Company-3125 Perkins Ave. Cleveland, OH 44114  
Visit us at [Skybryte.com](http://Skybryte.com)

## A METAL TREATMENT-NOT A PAINT RESISTS/RETARDS RUST-PROVIDES A SOUND BASE FOR PAINT

### DIRECTIONS FOR USE

**RUST-I-CIDE** safely dissolves surface rust from many painted surfaces. **RUST-I-CIDE** can be applied to just about any rusted steel surfaces including: Vehicles, Trailers, Fences, Iron Railings, Sheet Metal, Hand Tools, Industrial Tools, Outside Tanks, Lawn & Farm Equipment, Marine Applications, Steel Signs and more. A typical paint application will last much longer after an application of **RUST-I-CIDE** because of subsequent paint coatings attach themselves so tightly that moisture and oxygen cannot attack the metal. **RUST-I-CIDE** is water-thin, and therefore goes on easily and covers a larger area than paint. One Gallon covers approx. 600 square feet. Historically, best results have been achieved using oil-based primers and topcoats. Test a trial sample before using under epoxy or latex-based paint applications. **RUST-I-CIDE** is equally effective for exterior and interior work alike and is highly recommended as a pre-treatment coating by leading paint manufactures. For best results, use **RUST-I-CIDE** at temperatures no lower than 40 degrees F. Excess dew and humidity may prolong drying time and cause powdery buildup. Spray equipment should be flushed out with water after using. Clean brushes with water. **Avoid getting RUST-I-CIDE on adjacent areas such as painted surfaces, concrete, masonry, and stonework as it will etch within seconds.** If splashing occurs, neutralize by flushing with water to remove.

### RUSTED METAL

**RUST-I-CIDE** is a rust inhibiting coating-**NOT A PAINT**. Merely remove loose paint and rust scale, dirt, oil, grease, and other accumulation with a wire brush or pressure washer and let dry- apply a thin coat of **RUST-I-CIDE** as it comes pre-diluted in the container. Let dry for a minimum of 24 hours, then apply paint. Longer dry times may occur depending on temperature, humidity, and over-application of product. OSPHO has the consistency of water and treats up to 600 square feet per gallon. When applied to rusted surfaces, **RUST-I-CIDE** causes Iron Oxide (rust) to chemically change to Iron Phosphate- an inert, hard substance that turns metal black. Where rust is exceedingly heavy, two coats of **RUST-I-CIDE** may be necessary to thoroughly penetrate and blacken the surface to be painted. A dry, powdery, greyish-white surface usually develops when cured. Brush off any loose powder and wipe down with Mineral Spirits before painting..

### CLEANING AND ETCHING METAL

**RUST-I-CIDE** can be used to clean and etch Ferrous and Non-Ferrous metals by simply applying a thin coat. Let stand for approximately 30 minutes or until metal is etched, then flush off with water, avoiding damage to adjacent areas. To avoid flash rusting on Ferrous metals, a top coat system may be required.

### GALVANIZED

Where appearance is important, apply one thin coat of **RUST-I-CIDE**, let stand for approximately 30 minutes or until metal is etched. Flush with water, avoiding damage to adjacent areas, or wipe to a smooth finish, let dry, then paint. Where appearance is not important, one thin coat of **RUST-I-CIDE** is recommended to thoroughly coat and etch the metal. Let stand overnight or until completely dry. A dry, powdery, greyish-white surface usually develops when cured. Brush off any loose powder and wipe down with Mineral Spirits before painting.

### FIRST AID

This product contains Phosphoric Acid. If liquid comes into contact with eyes or bare skin, flush with copious amounts of water. Seek medical attention if irritation persists. If taken internally, administer large quantities of milk or water, get medical attention. Exposure to vapors may cause respiratory irritation, move exposed person to fresh air. Seek medical attention if irritation persists.

### CAUTION

Paint composition & quality vary greatly, such that a safety check should be made by testing **RUST-I-CIDE** on a small area. Dulling or peeling may occur in some finishes. The manufacturer assumes **NO LIABILITY** for damage to finished surfaces.



**NFPA 704**



**HMIS**

Facsimiles of the above hazardous material warning labels should be affixed to any intermediate storage containers containing OSPHO

**CHEMICAL DATA:**

OSPHO is a balanced formula of Phosphoric Acid, Sodium Dichromate, Surfactants, and Extenders

**PHYSICAL DATA:**

Boiling Point 240 degrees F    Specific Gravity: 1.22 +/- .04    Average % Nonvolatile= 37.6% +/- 0.5%

**SPILLS:** Neutralize with basic materials, flush with plenty of water

**RESPIRATORY:** Use adequate ventilation in confined areas, skin, and eye protection should be used

**FIRE DATA:** No Hazard

**DECOMPOSITION PRODUCTS:** Oxides of phosphorus

**HEALTH HAZARD:** Irritant to eyes and mucus membranes. In case of external contact, flush with cool water. If swallowed, give 1 or 2 glasses of water or milk and call physician. **KEEP OUT OF REACH OF CHILDREN**

**REACTIVITY DATA:** Can react with various metals to generate hydrogen gas, which could form an explosive concentration in confined spaces. Use adequate ventilation.

<b>SIZE OF PACKAGE</b>	<b>QUANTITY PER SHIPPING CASE</b>	<b>SHIPPING WEIGHT (APPROX)</b>
<b>12-QUART BOTTLES</b>	<b>SHIPPED AS A CARTON OF 12</b>	<b>35 LBS.</b>
<b>1 GALLON CONTAINER</b>	<b>PER CONTAINER</b>	<b>12 LBS.</b>
<b>4 GALLON CONTAINER</b>	<b>SHIPPED AS CARTON OF 4</b>	<b>44 LBS.</b>
<b>5-GALLON PAIL</b>	<b>PER CONTAINER</b>	<b>53 LBS.</b>
<b>55-GALLON DRUM</b>	<b>PER CONTAINER</b>	<b>583 LBS.</b>

**(Individual 1-Gallon Orders are available per request shipped UPS Ground)**