

SKYCO TECHNICAL BULLETIN



Compounded exclusively by The Skybryte Company-3125 Perkins Ave. Cleveland, OH 44114
Visit us at Skybryte.com

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

OSPHO is a balanced formula of Phosphoric Acid, Dichromates, Wetting Agents, and Extenders. **OSPHO** is environmentally safe and non-flammable. **OSPHO** seals out moisture and prevents future rust from forming. **OSPHO** can be applied to just about any rusted or steel surfaces including: Vehicles, Trailers, Fences, Iron Railings, Sheet Metal, Outside Tanks, Lawn & Farm Equipment, Marine applications and more. **OSPHO** is primarily used for bare-metal applications but can be used on painted surfaces as long as the quality of the paint is not compromised. **OSPHO** is recommended for use under oil based primers or paints. Test trial samples before using Epoxy or other paint systems. A paint job will last much longer after an application of **OSPHO** because subsequent paint coatings attach themselves so tightly that moisture and oxygen cannot attack the metal. **OSPHO** is water-thin, and therefore covers a larger area than paint, and goes on easily. **OSPHO** is equally effective for exterior and interior work alike. **OSPHO** safely dissolves bleeding rust from many painted surfaces. For best results, use **OSPHO** at temperatures no lower than 36*. Excess dew and humidity may prolong drying time, causing a reoccurrence of the drying process resulting in a powdery buildup. Spray equipment should be flushed out with water after using. Clean brushes with water. Avoid spreading **OSPHO** on adjacent areas such as concrete, masonry and stonework as it will etch/bleach almost immediately.

RUSTED METAL

OSPHO 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 **OSPHO** 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, **OSPHO** 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 **OSPHO** 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.

NEW METALS

For new Ferrous metals, remove dirt, grease, and oil, apply **OSPHO** in a thin coat, 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. A dry, powdery, greyish-white surface usually develops when cured. Brush off any loose powder and wipe down with Mineral Spirits before painting. **OSPHO** penetrates deep inside of the metal's pores to convert and protect before Iron Oxide is present.

CLEANING AND ETCHING METAL

OSPHO 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 **OSPHO**, 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 **OSPHO** 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

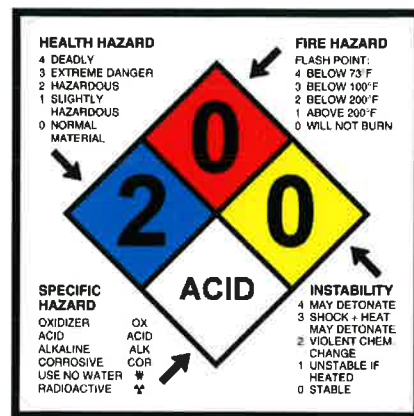
This product contains Phosphoric Acid. If liquid comes into contact with eyes or bare skin, flush with copious amounts of water. Seek medical attention if irritation persists. If taken internally, administer large quantities of milk or water, get medical attention. Exposure to vapors may cause respiratory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

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

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