

SKYCO TECHNICAL BULLETIN

OSPHO

Compounded exclusively by The Skybryte Company, Cleveland, Ohio

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

DIRECTIONS FOR USE

RUSTED METALS - OSPHO is a rust-inhibiting coating - **NOT A PAINT**. You do not have to remove tight rust. Merely remove loose paint and rust scale, dirt, oil, grease and other accumulations with a wire brush - apply a coat of OSPHO as it comes in the container - let dry overnight, then apply whatever paint system you desire. When applied to rusted surfaces, OSPHO causes iron oxide (rust) to chemically change to iron phosphate - an inert, hard substance that turns the 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, grayish-white surface usually develops; this is normal - brush off any loose powder before paint application

NEW METALS - For new ferrous metals: remove dirt, grease, or oil; apply OSPHO, let dry overnight, then paint.

GALVANIZED: where appearance is important, apply one coat of OSPHO, let stand for approximately thirty 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 coat of OSPHO is recommended to thoroughly coat and etch the metal. Let stand overnight or until completely dry. Brush off any loose powder before painting.

A typical paint application 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 goes on easily and covers a larger area than paint. One gallon covers approx. 600 square feet. Historically, best results have been achieved using an oil-base primer and topcoat. Test a trial sample before using under epoxy or latex-base paint applications. OSPHO is equally effective for exterior and interior work alike and is highly recommended as a pre-treatment coating by leading paint manufacturers.

For best results, use OSPHO at temperatures no lower than 36 degrees F. Excessive 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 OSPHO on adjacent areas such as painted surfaces, concrete, masonry and stonework. If splashing occurs, flush immediately with water to remove.

WARNING: OSPHO contains phosphoric acid. **KEEP OUT OF REACH OF CHILDREN.** If taken internally give large quantities of milk or water. Call physician. Avoid contact with eyes. In case of contact, flush with water. Prolonged exposure to skin may cause irritation - use rubber gloves or other forms of skin protection.

SAFELY DISSOLVES BLEEDING RUST FROM MANY PAINTED SURFACES:

CAUTION: paint composition & quality vary greatly, A 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.

OSPHO MAKES A LASTING BOND BETWEEN RUSTED METAL AND PAINT

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%
Soluble in Water *Color*: Green Liquid *Odor*: Typical Acidic

SPILLS: Neutralize with basic material, flush with plenty of water.

RESPIRATORY: Vapors are irritating to eyes, nose and throat. Use only with adequate ventilation and/or an appropriate respirator; skin and eye protection should be used.

FIRE DATA: No hazard **DECOMPOSITION PRODUCTS:** Oxides of phosphorus

HEALTH HAZARD: Irritant to eyes and mucous 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.

HEALTH HAZARD
 4 Deadly
 3 Extreme Danger
 2 Hazardous
 1 Slightly hazardous
 0 Normal material

SPECIFIC HAZARD
 ACID-Acid
 ALK-Alkali
 COR-Corrosive
 OXY-Oxidizer
 P-Polymerization
 ☢-Radioactive
 W-Use No Water

HEALTH HAZARD
 4 Below 73° F
 3 Below 100° F
 2 Above 100° F not exceeding 200° F
 1 Above 200° F
 0 Will not burn

REACTIVITY
 4 May detonate
 3 Shock & heat may detonate
 2 Violent chemical change
 1 Unstable if heated
 0 Stable

PHOSPHORIC ACID

NFPA 704

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	H

HMIS

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

SIZE OF PACKAGE	NUMBER PER SHIPPING CASE	SHIPPING WEIGHT (APPROX.)
12 Quart Bottles	Shipped as Carton of 12	35 lbs.
1 Gallon Container	Per Container	12 lbs.
4 Gallon Containers	Shipped as Carton of 4	44 lbs.
5-gallon Container	Per Container	53 lbs.
55-gallon Drum	Per Container	583 lbs.

All items shipped f.o.b. Cleveland

SKYCO