Phosflex 4™



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Flame Retardants

Chemical name: Tributyl Phosphate

Formula: x

CAS Number: 126-73-8

$$\begin{bmatrix} CH_3CH_2CH_2CH_2O \\ \end{bmatrix}_2 P = 0$$

General & Use:

Phosflex® 4 is a plasticizer and solvent for cellulose esters, lacquers, plastic and vinyl resins. It is used for a wide variety of applications, including as a solvent extractant of rare earth metals from ores, pigment grinding assistant, and antifoam agent. Phosflex® 4, is a clear, water-white, high boiling liquid.

Phosflex® 4 is an effective solvent and is used in blending of materials, which are difficult to dissolve. This characteristic makes Phosflex® 4 an excellent solvent for lithographic inks and in the preparation of concentrates for agricultural herbicides and fungicides.

It can also be used as a solvent for natural gums and synthetic resins. Phosflex® 4 is also used for solvent extraction, sometimes called liquid-liquid extraction, of numerous rare earth metals. It is used as a sole agent or in combination with other chemicals for the extraction of uranium from its ores. As an efficient antifoam agent, Phosflex® 4 has no residual odor, making it ideal for use in paper and protective coatings. Tributyl phosphate is utilized, for example, as a defoamer in vinyl latex emulsions, rubber-based paints, casein, inks, cement, protein- or resin-based adhesives, and textile sizings. Normally, less than one percent by weight addition is sufficient to prevent undesirable foaming. Used with a small amount of isopropanol or similar material, tributyl phosphate will destroy or prevent foam in most detergent solutions.

In anti-freeze solutions of the ethylene glycol-borax type, tributyl phosphate sharply reduces foaming. It is similarly useful in the manufacture and packaging of latex paints and some floor polishes. The surfactant and antifreeze characteristics of this product.

For health & safety matters please refer to MSDS.

Typical Properties:

Physical appearance	CLEAR TRANSPARENT LIQUID
Phosphorus content wt. %	11.7
Specific gravity 20°C/20°C	0.98
Density @ 20°C lbs/gal	8.2
Density @ 20°C kg/m³	980
Viscosity @ 25°C mPa.s	5
Acidity mg KOH/g	0.10
Water content wt. %	0.20
Color APHA	<50
Specific Heat calories/gm	0.465
Heat of Vaporization calories/	gm 41.5
Assay tributyl phosphate	>98%

Packaging:

Available in bulk tank trucks, isocontainers, 2,300 lb totes, and 455 lb drums.

For more information Please Contact Us.



Studio rave-pele

Visit our Website: www.icl-ip.com

For more information about our products and to place an order, please contact one of our regional sales offices.

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