



Phosphating Chemicals

In the world of metalworking, corrosion prevention, and paint adhesion are crucial aspects of ensuring product longevity and aesthetic appeal.

We at Nandira Chemicals, provide a range of high-quality products that address these critical needs effectively.

Our phosphating chemicals form a thin, crystalline layer of insoluble phosphates on the surface of various metals, including iron, zinc, aluminum, and cadmium. This protective layer serves multiple purposes:



Nandira Chemicals offers three primary types of phosphating chemicals:

- **Hot Phosphating Chemicals:** These chemicals operate at temperatures between 50-90°C, creating a thicker, more durable phosphate layer suitable for heavy-duty applications.
- **Cold Phosphating Chemicals:** These chemicals work at room temperature, making them ideal for phosphating smaller components or for use in situations where elevated temperatures are undesirable.
- **3 in 1 Phosphating:** These chemicals work as a combination De-rusting, De-greasing, and Phosphating compounds..

1. **Enhances Corrosion Resistance:** The phosphating process creates a barrier that shields the underlying metal from the detrimental effects of moisture and oxygen, significantly enhancing its resistance to corrosion.
2. **Promotes Paint Adhesion:** The crystalline phosphate layer provides an excellent foundation for subsequent paint applications, ensuring superior adhesion and preventing peeling or flaking.
3. **Improves Lubrication:** Phosphating can also improve the lubrication properties of metal surfaces, reducing friction and wear, particularly in applications involving moving parts.
4. **Prepares for Subsequent Processes:** The phosphating layer serves as an effective base for other metal treatment processes, such as electroplating and anodizing.



Nandira[®]
Chemicals



Key Benefits of Nandira Chemicals' Phosphating Chemicals:

- Superior corrosion resistance
- Enhanced paint adhesion
- Improved lubrication properties
- Suitable for various metals
- Available in hot and cold phosphating options
- Environmentally friendly formulations

Applications of Nandira Chemicals' Phosphating Chemicals:

- Automotive components
- Industrial machinery
- Construction equipment
- Household appliances
- Hardware and fasteners
- Electronics and aerospace components

Other Products:



Our product range includes other products like:

- Cold Blackening Chemicals
- Anti-Spatter Chemicals
- Pickling-Passivation Chemicals

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