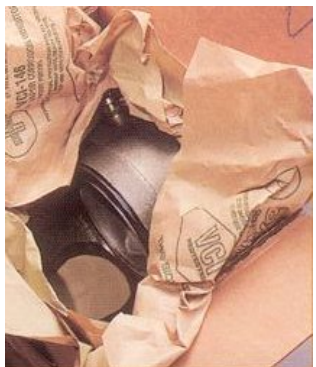


## METHOD OF APPLICATION



The object can be directly packed for dispatch. The coated paper is available in PP laminated, which can carry heavy weight. Also coated paper is available in transparent and brown paper to wrap the object.

While packaging - Maintain adequate ventilation, and do not bring naked flames and smoking lights etc close to the paper.



VCI's eliminate many extra processing steps such as cleaning, degreasing, rust removal, picking, sandblasting and reprotecting. You have less re-work, fewer rejects, and improved quality, reduced rust claims and extended equipment life.

The VCI paper is of three types:

1. HDPE laminated with Natural Kraft of 80 GSM
2. LDPE laminated with Natural Kraft of 100 – 180 GSM

Natural Kraft paper of 60 – 80 GSM

## Total multimetal protection in a simple, economical application.

Multimetal VCI papers eliminate the need to inventory a variety of papers for each of the metals you need to protect, and prevent package contamination by utilizing only the highest quality neutral/natural Kraft paper. VCI papers are simple to use: there are no chemical concentrations to calculate or application systems to maintain, and your products can be used immediately – no surface preparation or cleaning is required.

All VCI papers are environmentally safe: Fully recyclable and repulpable, biodegradable and non-toxic. They provide an excellent alternative to oil coatings or their VCI/VPI papers that contain hazardous chemicals.

These papers provide exceptional protection for dry or oiled metals during storage, transit and overseas shipment. It also offers a selection of coatings for flexible packaging substrates.

## How VCI's Cut Costs

- Multifunctional products.
- More effective protection.
- Efficient delivery systems that make it economical to treat hard-to-protect items.
- Easy application.
- Improved health, safety and pollution control.
- Elimination of extra processing steps, as there is no need to remove VCI protection.
- Extension of equipment life.

Use VCI systems in every stage of a product's life, starting from the production of metal stock to actual use in the field. When properly applied, VCI's substantially cut time and costs throughout the entire product life cycle: in manufacturing, storage, shipment and field service.

## An Easy To Use Vapour Phase Corrosion Inhibitor (VCI) For Rust Prevention In Ferrous And Non Ferrous Metals



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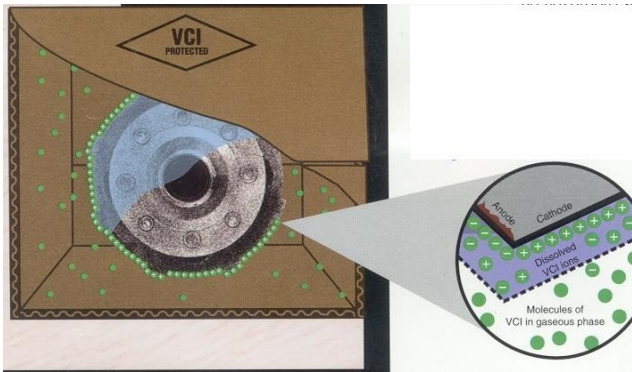
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## INTRODUCTION

Corrosion is a constant, indiscriminate and costly enemy of metals parts, especially when packaged for storage and distribution. Traditional anti-corrosion methods are messy, costly, and can be hazardous to personnel and the environment. Too often, they're ineffective as well.

*Vapour Corrosion Inhibitor* (VCI) technology represents a breakthrough solution in corrosion prevention. Our VCI products protect metals with a chemically adsorbed molecular layer that provides multimetal corrosion protection. The coverage is complete – all surfaces, including crevices, cavities and other inaccessible void areas receive total protection. The VCI barrier is self-replenishing, even for packaging that's repeatedly opened, and typically protects for up to 24 months.



The industry proven results is exceptional product protection without the labor-intensive clean-up required with conventional oil coatings or other inhibiting products-even for previously corroded, painted or coated surfaces.

## VCI PRODUCTS

### Papers

It is VCI coated on various types of paper for packing of objects/tools to protect from corrosion. Coated paper is highly effective in protecting metal from corrosion even if it is lying outside the site. Vapour continuously emitted from paper reduces oxygen and protect from corrosion.

VCI papers provide corrosion protection in several different applications including single item packaging, multiple item wrapping for bulk shipments, OEM and automotive parts packaging for storage and shipping, and sheet liners for product separation.

The VCI papers normally gives protection for 4 to 6 months at ambient temperature, if maintained properly with precaution can give protection up to 24 months. VCI papers are recommended for - Protecting metal Tools, Machine parts, etc. in transit or storage.

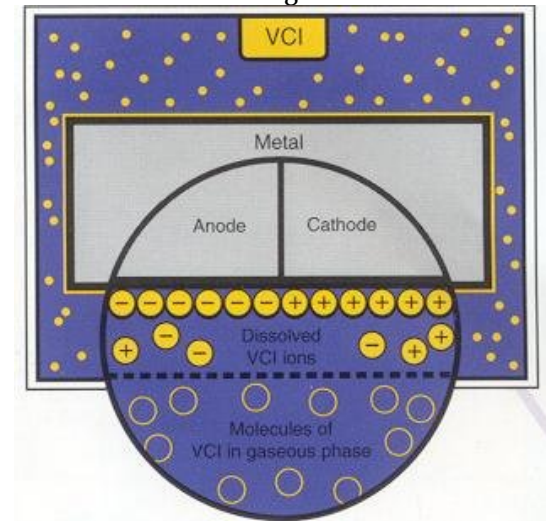
It gives excellent long term storage protection, It is convenient to use, Larger object can be packed and strapped for dispatch, Application method is clean hence costly and tedious degreasing and polishing operation are eliminated, Treated articles are ready to use, Envelopes and bags can be made as per requirement.

### How VCIs Work

VCI:

- Vaporizes.
- Conditions enclosed atmosphere with a protective vapor.
- Vapor migrates to all recessed areas and cavities.
- Vapor condenses on all metal surfaces.
- Ions dissolve in moisture layer (water electrolyte).
- Protective ions are attracted to metal surfaces.

- Ions form a thin, monomolecular protective layer at the metal surfaces.
- Protective layer re-heals and self-replenishes through further condensation of the vapor, VCI combines with other functional properties:
  - Antistatic
  - Cleaning
  - Desiccant
  - Fire Retarding
  - Lubricating
  - Paint Removing
  - Polymeric Coatings
  - Rust Removing



### VCI BENIFITS

- Cost Effective : Saves costly time and labor
  - no surface preparation required for application
  - no cleaning/degreasing required for product use
- Reduces raw material requirements
  - need for oil is eliminated
  - desiccants are eliminated
- Eliminates disposal costs
  - products are fully recyclable
  - no hazardous waste disposal costs