

# d<sub>2</sub>p Vapour Corrosion Inhibitor

d<sub>2</sub>p VCI additives are a range of products to be used in protection of surfaces offering Inhibition against the corrosion and metal oxidation of ferrous and non-ferrous materials

# d<sub>2</sub>p Vapour Corrosion Inhibitor

## Providing the first line of defence against corrosion



### The Facts

- Metal parts have the potential to corrode at any stage of the manufacturing, storage or transport process
- VCI reaches the metal surface and condenses to form a thin film of crystals. In the presence of even traces of moisture, crystals dissolve and immediately develop strong ionic activity
- The corrosion-inhibiting compound migrates from the VCI packaging (paper, poly bag, foam emitter) into the packaging environment, while a thin layer of protection adheres to metal surfaces, reaching into recessed areas, holes, nooks and crannies.
- Extremely effective for all iron-based commercial finished or intermediary products: Steel, cast iron, metal plate, zinc, copper, copper alloys, soldered joints, aluminium, and aluminium alloys
- It is based on a combination of food contact approved chemical compounds

Great Performance of d<sub>2</sub>p VCI was achieved in the Institut Fur Korrosionsschutz Dresden using the K-test as per VW50164 with 2% addition rate



<b>Composition</b>	Chemical Compound
<b>Appearance</b>	White pellet
<b>Mechanism</b>	Incorporated easily as a Masterbatch in the manufacture of the final product, and does not alter physical, chemical or mechanical properties.
<b>Applications</b>	Automotives, steel, metal processing, electronics, tires, stored tools, parts inside bags, boxes, cupboards, etc.
<b>Addition Rate</b>	2%-3%
<b>Odour</b>	None
<b>Stability</b>	Stable up to 350°C
<b>Storage</b>	Masterbatch should be stored in cool, dry conditions away from sources of UV light. Has a shelf life of 12 months from date of supply.

**Disclaimer:** The information provided is general information. For specific applications, please consult our Technical Department. It is the customer's responsibility to obtain regulatory approval for the intended purpose in the country or countries concerned.

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