

RUBBER ADHESION PROMOTERS

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ABOUT US

CAP CHEMICALS is a leading independent supplier in the field of chemicals. With over 20 years of experience, the company has crafted world-renowned products.

The partnership with CAP CHEMICALS goes beyond a simple commercial transaction. It constitutes a comprehensive alliance that encompasses all aspects: pre-purchase consultation, product procurement, real-time logistics, local customer service...

It's not just about selling a product; it's about ensuring on-time delivery, responses within 24 hours, competitive pricing, high-quality products, effective logistical management, and sustained support.

CAP CHEMICALS goes beyond the common transaction. It's a dedicated partner, providing insightful product advice, top-notch technical support, targeted continuous improvements, and smooth logistical management.

The company doesn't limit itself to simple product distribution but brings robust expertise at every step.

WHY CHOOSE CAP CHEMICALS ?

For over 20 years, CAP CHEMICALS has built a strong reputation as a trusted partner for companies seeking high-quality chemical products. Our commitment to excellence has propelled us to become a key player in various industries, notably in the glass and rubber sectors.

Our commitment to quality, sustainability, and performance remains unwavering and we will continue to work in partnership with our clients to help them achieve their goals. You can rely on CAP CHEMICALS to provide you with tailored solutions and exceptional services. We take pride in our 20-year legacy of excellence and look forward to embracing new challenges in the years ahead.



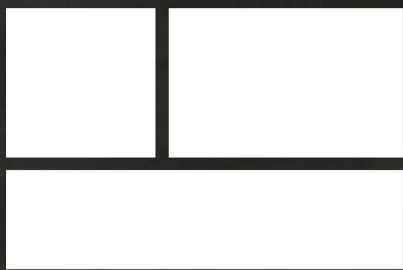
EXPERIENCE



PARTNERSHIP



ASSISTANCE



CAP CHEMICALS

OUR PRODUCTS



COBALT BORO NEODECANOATE

- **Corelink ®™ CBN-22**
- **CAS : 68457-13-6**
- **ASPECT : Solid pellets**
- **COLOR : Blue / Purple**
- **% METAL : 22 - 23%**
- **% PURITY : -**

The Cobalt Boro Neodecanoate complex comprises of a central Boron atom, bound by three Cobalt monocarboxylates of Neodecanoic acid.

The function of this chemical is to improve the bonding of rubber to steel belt re-inforcing in radial tires utilized in the automotive industry.

The Co-Boro Neodecanoate provides excellent adhesion properties under severe ageing conditions, such as heat, oxygen, steam, acids and alkali.

Specifications and SDS available on request.



COBALT NEODECANOATE

- **Corelink ®™ CN-20.5**
- **CAS : 27253-31-2**
- **ASPECT** : Solid friable pastilles / pellets
- **COLOR** : Blue / Purple
- **% METAL** : 20.5 – 21%
- **% PURITY** : –

The Cobalt Neodecanoate is supplied at 20.5% Cobalt content. It comprises of two anions of Neodecanoic acid bound to a Cobalt molecule.

It is used mainly as a bonding agent in steel-wire radial ply tyre, steel wire reinforcing conveyor belts and hoses.

Specifications and SDS available on request.



COBALT BORO ACYLATE

- **Corelink ®™ CBN-22**
- **CAS : 72432-84-9**
- **ASPECT : Solid pellets**
- **COLOR : Blue / Purple / Pink**
- **% METAL : 22.4 – 23.2%**
- **% PURITY : –**

The Cobalt Boro complex is supplied at a 22.5% Cobalt concentration and contains half the carboxylic acid ligand compared to a normal di-soap. This acid reduction, together with the borate compound, improves the corrosion resistance of the steel cord. The ligands bonded to the Cobalt is a mixture of three carboxylic acid types, with the Boron atom being central.

The function of this chemical is to improve the bonding of rubber to steel belt re-inforcing in radial tires utilized in the automotive industry. Cobalt bonds with the Sulphur in the vulcanized rubber, as well as the sulphided brass coating of the steel cord.

The Boro-acylate is supreme amongst other anions, due to its superior performance under harsh ageing conditions such as heat, oxygen, moisture, acids and alkali.

Specifications and SDS available on request.



COBALT STEARATE

- **Corelink ®™ CS-9.5**
- **CAS : 13586-84-O**
- **ASPECT : Solid friable pastilles / pellets**
- **COLOR : Purple**
- **% METAL : 8.8% – 9.5%**
- **% PURITY : –**

Cobalt Stearate is a popular performing bonding agent, which enhances the bond between the rubber and the brass or zinc plated cords, as well as various bare steel. Its direct bonding properties are ideal for use in steel cord tyres, steel wire fortified hoses and conveyors, as well as other rubber - metal composites.

Cobalt Stearate is typically supplied at a 9.5% Cobalt concentration.

Specifications and SDS available on request.



COBALT NAPHTHENATE

- **Corelink ®™ NA**
- **CAS : 61789-51-3**
- **ASPECT : Liquid**
- **COLOR : Purple**
- **% METAL : Upon requirements**
- **% PURITY : -**

Cobalt Naphnethate is a mixture of Co (II) derivatives of Naphthenic acids, supplied either in a solid or liquid form.

It is mainly used as a bonding agent in steel wire radial ply tyres, steel wire re-enforcing conveyor belts and hoses.

Specifications and SDS available on request.



COBALT(II) ACETYLACETONATE

- **Corelink ®™ CA-23**
- **CAS : 14024-48-7**
- **ASPECT : Powder or dust**
- **COLOR : Pink**
- **% METAL : 22.5-23.2%**
- **% PURITY : 98%**

Cobalt(II) acetylacetonate offer a compelling solution for enhancing adhesion between metal and rubber, while also mitigating oxidation-related deterioration.

This is achieved through the vulcanization of a rubber composition containing both cobalt acetylacetonate and a vulcanizing agent in contact with the metal, resulting in an improved bonding process.

Specifications and SDS available on request.



COBALT(II) ACETYLACETONATE DIHYDRATED

- **Corelink ®™ CA-23-DH**
- **CAS : 14024-48-7**
- **ASPECT : Powder or dust**
- **COLOR : Pink**
- **% METAL : 22.5-23.2%**
- **% PURITY : 98%**

Cobalt(II) acetylacetonate offer a compelling solution for enhancing adhesion between metal and rubber, while also mitigating oxidation-related deterioration.

This is achieved through the vulcanization of a rubber composition containing both cobalt acetylacetonate and a vulcanizing agent in contact with the metal, resulting in an improved bonding process.

Specifications and SDS available on request.



COBALT(III) ACETYLACETONATE

- **Corelink ®™ CA-16**
- **CAS : 21679-46-9**
- **ASPECT : Powder or dust**
- **COLOR : Green**
- **% METAL : 16.2-16.8%**
- **% PURITY : 98%**

Cobalt(III) acetylacetonate offer a compelling solution for enhancing adhesion between metal and rubber, while also mitigating oxidation-related deterioration.

This is achieved through the vulcanization of a rubber composition containing both cobalt acetylacetonate and a vulcanizing agent in contact with the metal, resulting in an improved bonding process.

Specifications and SDS available on request.



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