



Sprite Industries are the innovators of shower filters and are known to be the world's finest, enabling everybody to enjoy chlorine free showers the world over.

Chlorine is universally used to chemically disinfect water. Chlorine is added to your water to destroy germs, bacteria and living organisms. You are also a living organism, and your body is affected by chlorine internally as well as externally. Inhalation and skin absorption of chloroform and chlorine by-products are greatest in the shower, where these gases are vaporized.

Effectively Removes	
Chlorine	Copper
Combined Chlorine	Zinc
Iron oxide	Calcium
Hydrogen Sulphide (Odour)	Sediment and dirt

How does Chlorine affect Hair?

Chlorine removes natural oils covering hair resulting in loss of hair shine and flexibility, as well as making them more susceptible to mechanical damage. Reaction of chlorine with keratin results in creation of water-soluble chemicals and weakens chemical bonds between fibres forming hair shafts. Also chlorine can get between the hair fibres. As the crystallization process develops inside the hair, the chlorine crystals can separate the hair fibres disrupting structural integrity of hair shaft. Once the bonds are broken, the hair becomes weak and ends of the hairs split.

THE WORLD OF HAIR - 15 Sep 2014



Source: Optics Education



Damaged cuticle
Due to normal weathering, combing, heat etc



Damaged cuticle
Raised due to bleaching or hair colouring (not henna)

Source: The natural haven

Geraldine Cifuentes
M 0413606470

For more information go to www.carelux.com.au
gcifuentestarquino@gmail.com



Sprite Industries are the innovators of shower filters and are known to be the world's finest, enabling everybody to enjoy chlorine free showers the world over.

Effects of chlorine on Colored Hair

“Chlorine can wreak havoc on blondes or make brunette colors brassy — and in some cases turn your blonde a greenish tinge”.

COSMOPOLITAN – 12 Aug 2015

“Chlorine has a damaging effect on color-treated hair. As a bleaching agent, chlorine doesn't just change hair color, it can damage and dull the hair. However, knowing how chlorine can alter hair color and understanding the process by which it is absorbed into the hair, can help you take the proper steps to limit the possible ill effects and keep your hair healthy and beautiful”

“As a bleach, chlorine strips color from your hair. Blond hair may acquire a greenish tinge. Darker shades of hair may become dull, dry out and lose the gleam and highlights that the color treatment added”

“The majority of tap water is chlorinated in order to kill the bacteria that can cause illness, but the chlorine in tap water can have a negative effect on colored hair. In most cases, the chlorine in tap water is not sufficiently strong to have a major effect of hair but if the added chlorine causes a problem, a filter can remove chlorine in your home's shower water.”

LEAF – 18 Jan 2017

“Chlorine affects hair by direct chemical reactions resulting in chemical changes to hair components, by changing physical properties of the hair, as well as by changing electrical charge of minerals bonded to hair and reacting with those minerals.”

MARIANNE SUWALSKI – 20 Sep 2016

“The direct chemical changes include reactions of chlorine with pigments giving hair their colour, oils covering hair and proteins forming hair shafts. The reaction of melanin pigments with chlorine results in change of hair from natural colour (blond to black) to straw colour of keratin.”

DESALINATED WATER – 15 Nov 2015

“Chlorine salt crystallization process may also affect the hair cuticle. The cuticle is an outer layer of very hard, dead cells over the hair surface. If the chlorine gets between the scales it could push up the scales; therefore, making it rough and prone to damage or breakage. These flaked cuticles reflect light poorly and so the hair fibre looks dull, dry and may feel rough when touched [iv].

Chlorine can change electrical charge of minerals bonded to hair and oxidize those minerals.

Geraldine Cifuentes
M 0413606470

For more information go to www.carelux.com.au
gcifuentestarquino@gmail.com