C 4 C A R B O N

WHY DO MASK LENSES GET FOGGY?

In the past twenty years, because mask skirts have been manufactured in synthetic liquid silicone rather than natural rubber, the problem of the fogging of the lenses has greatly increased.

Silicone oils must be added to the basic silicone material to be able to mould the mask skirt at high temperatures (over 150C). During and after moulding these oils migrate on the lenses creating a sort of film which causes the fogging.

WHY DO CERTAIN MODELS OF MASKS SEEM TO HAVE A GREATER FOGGING PROBLEM?

The fogging depends on the type of liquid silicone used (there are different types produced by many companies in the world) and on the percentage of silicone oils contained in them which influence the percentage of fogging.

Furthermore masks where the silicone skirt is printed over the lens holder band (latest generation masks) are more affected by the migration of silicone oils on lenses rather than mechanically assembled masks (masks with silicone skirt printed separately from the lenses).

WHY SAME MODEL MASKS HAVE A DIFFERENT FOGGING PROBLEMS?

The mixing of silicone oil and silicone material is rarely uniform and can variate greatly even among same model masks.

Even in the same production batch, sometimes some masks have a much greater migration of silicone oils from the skirts to the lenses.

WHAT HAVE BEEN THE SOLUTIONS ATTEMPTED UNTIL TODAY, TO SOLVE THE FOGGING OF MASKS LENSES?

- Applying antifog products on the lenses which do not solve the problem of the silicone oils but (if they are good products) can solve fogging caused by other causes of fogging.

- Burning the glass lenses with a lighter. This could be effective in some cases but it involves great risks of damaging the other mask plastic parts.

- Using detergent or degreasing products which are intended for other household use. This can be very dangerous too as they usually contain chemical components that are harmful to plastic parts and if applied for too long and/or in great quantity they will certainly damage the mask.

- Putting the mask in the washing machine or the dish washer. This also can have serious consequences for the integrity of the mask.

- Applying a mix of water and Coke on the inside of the lenses. This is a highly corrosive mix and on the long run it will certainly damage the mask too.

Often the above methods are applied simultaneously with some effect on the short run, not solving the problem indefinitely and often with serious consequences for the product.

The cooperation between C4 Srl, manufacturer of diving products, and REAL CHIMICA Srl, world leader in the creation and manufacturing of cleaning products, such as the renown “Chanteclair”, has started a year ago with the intent of solving, once and for all, the fogging problem on diving products.

The main objective has been to create, for the first time in the history of diving, A SPECIFIC AND EFFECTIVE PRODUCT to remove silicone oils from the lenses of new and used masks without any counter effects.

A further objective has been to create a specific antifog product, for masks with glass lenses and swimming goggles with polycarbonate lenses which have already been treated with out ABSOLUTE CLEANER product, that prevent fogging problems caused by:

- The use of skin lotions and sun blocking products.

- Sudden change in temperatures which cause a frequent fogging problem especially in the swimming pool.

After a year long cooperation between our companies, after having conducted hundreds of tests, we are proud to introduce to the market two products: **ABSOLUTE CLEANER** and **EXTREME ANTIFOG** .

C 4 C A R B O N

ABSOLUTE CLEANER

The first degreasing products on the market specifically designed for diving masks, new and used, which prevents fogging problems and no side effects.

How to use it:

Phase 1
Spray directly the product on the inside and on the outside of the lenses and on the inner part of the silicone skirt. (suggested quantity 7/8 ml)

Phase 2
Scrub throughly for 4/5 minutes, with a toothbrush or cloth, the inner and outer surface of the lenses.

Phase 3
Leave the product on the mask for 10 minutes and then rinse with fresh water.

Phase 4
Repeat the whole procedure (Phase 1 + 2+ 3).

NB
You do not need to repeat the same procedure just before the dive.

Absolute cleaner 250 ml

Absolute cleaner 50 ml

EXTREME ANTIFOG

The ideal product to be applied on the glass lenses of diving masks which have been previously treated with the ABSOLUTE CLEANER and on the polycarbonate lenses of swimming goggles.

How to use it:

Phase 1
Spray the product on the inner part of the lenses (suggested quantity 3/4 ml)

Phase 2
Leave the product on the mask for 2 minutes and then rinse with fresh water.

NB
Apply the product just before using the mask or goggle.

Extreme antifog 250 ml

Extreme antifog 50 ml