



Eco Oxygen mask

Improved non-pvc design, low environmental impact



Oxygen and Aerosol Therapy ▪ Eco Mask



Introducing a major breakthrough in oxygen mask design

Within the medical device industry environmental issues have been raised from concerned groups that have questioned the use of PVC in medical products. There is particular concern with the disposal of PVC products, especially when it involves incineration, due to potential release of harmful gases ^{1, 2, 3, 4, 5}.

As part of our continual improvement process, Intersurgical aims to reduce the environmental impact of its products and processes. This has resulted in a long search for alternative materials to PVC to address these concerns.

Innovation

Utilization of the latest manufacturing technology has enabled us to combine two non-PVC materials in the same mask. The

material forming the body of the mask is clear and rigid enough to maintain the mask's shape while a second, softer material is utilized in the manufacture of the seal, which is in contact with the patient's face.

Lower environmental impact

The use of these materials has resulted in an oxygen mask with an environmental impact score of 4 milli ecopoints when compared to the equivalent PVC mask which has an environmental impact score of 15 milli ecopoints. A 73% reduction ^{6, 7}! The result is the new Intersurgical Eco Oxygen mask providing a much improved product with a reduced environmental impact.

Features and benefits



Non-PVC construction

Reduced impact on the environment

Clear rigid shell

Resists deformation

50% lighter than conventional masks

Patient comfort

'On-chin' positioning (adult only)

Better fit on a wider range of face shapes



Integral 'nose-clip'

Improved seal

Soft seal material

Improved level of comfort

Incurved seal design

Improved seal

Low elastic position (adult only)

Eliminates trauma to the patient's ears

Ordering information

Code	Description	Box Qty.	
1135030	Adult Eco Oxygen Mask with 2.1m oxygen tube	40	
1136030	Adult Eco Oxygen Mask	50	
1190015	Pediatric Eco oxygen mask	42	
1196015	Pediatric Eco oxygen mask with tube	40	



Lower environmental impact product

References:

1. E.M.Gotlib, Composition of incineration products of plasticized PVC. Materials Reactive & Functional Polymers 48 (2001) 209-213
2. B. Jacquinet, The Influence of PVC on the Quantity and Hazardousness of Flue Residues from Incineration, Bertin Technologies Tarnos, April 2000.
3. M. Wey, The Influence of Heavy Metals on the Formation of Organics and HCl During Incinerating of PVC-containing Waste, Journal of Hazardous Materials 60_1998, 259-270.
4. D.Wang, Polychlorinated Naphthalenes and Other Chlorinated Tricyclic Aromatic Hydrocarbons Emitted from Combustion of Polyvinyl Chloride, Journal of Hazardous Materials, 2006.
5. A Greenpeace Brief on the Report, The Influence of PVC on the Quantity and Hazardousness of Flue Gas Residues from Incineration, European Commission, April 2000.
6. Environmental comparison between PVC & Non-PVC medium concentration oxygen masks. J.L.Marshall; 2006
7. 2006 SimaPro Version 6, Pre Consultants bv, Plotterweg 12, 3821 BB Amersfoort, The Netherlands

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