





What are VOC?

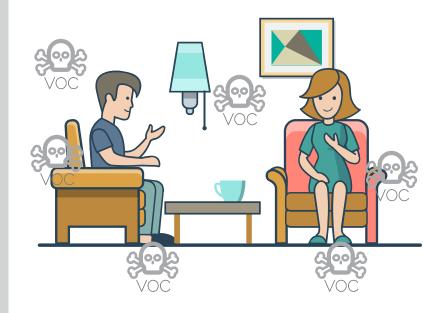
VOC are "Volatile Organic Compounds", such as formaldehyde, ammonia and ethylene glycol. VOCs not only pollute the air in indoor environments, but also adversely affect health. When indoor VOC levels reach a certain concentration, people may experience symptoms such as headaches, nausea and vomiting. VOC can also cause damage to the liver, kidneys, brain and nervous system, cause memory loss and even increase the chance of leukemia. In indoor environments, VOC mainly come from building materials such as wooden furniture, cleaning products, adhesives and varnish.

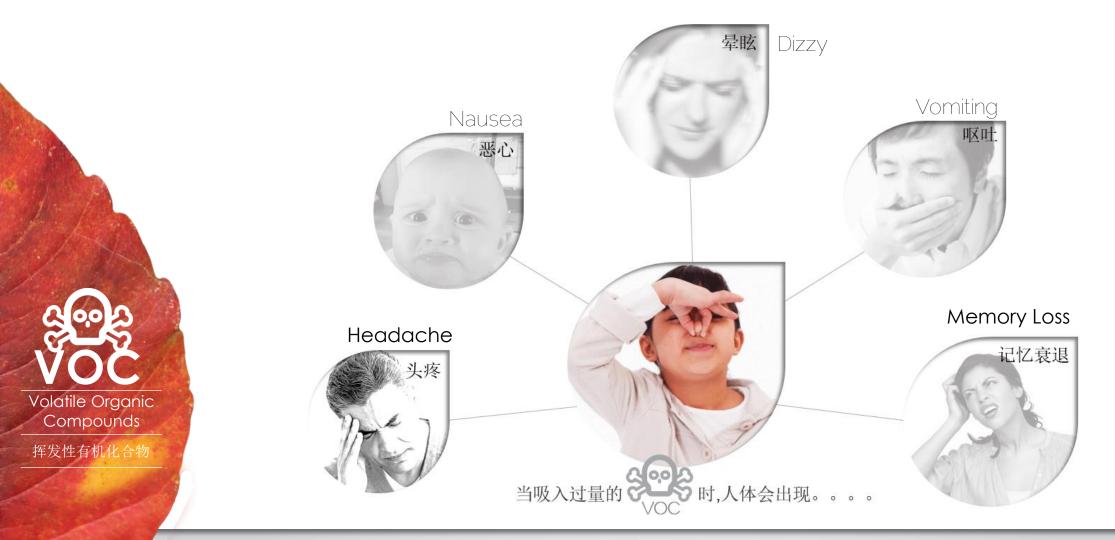
VOC,即"<u>挥发性有机化合物</u>",包括甲醛,氨,已二醇等物质。 VOC不单会污染室内空气,更会影响健康。当室内的VOC达到 一定的浓度时,人类会出现头疼,恶心,呕吐等症状;亦会伤害 人体肝臟,肾臟,大脑和神经系统,造成记忆衰退,甚至增加患 上白血病的机率等等。

在居室中,VOC主要来自建筑材料如木制家具,贴著剂,涂料,清洁用品等等。















Added Information: In-Door Air Quality (VOC *g/L) Control In Asia Pacific













	首工之、			ECO-LABEL		
Country	Japan	Korea	Singapore	Malaysia	Thailand	China
Label / Regulation:	Japan Eco Mark	Korea Eco Label	Singapore Green Label	Sirim Eco Label	Thai Green Label	National Standard GB18582-2008
Interior VOC Limit : (g/L)	Max 1	<40g/L	<25-70g/L	<50g/L	<50g/L	<120g/L

EPA's National Volatile Organic Compound Emission Standards for Architectural Coatings



"0 VOC Paint" is 5g/L or less

5g/L 或更少可称为 "0 VOC 室内漆料"

EPA: State Environmental Protection Agency

 $Information \ Source: \quad http://paintgurus.typepad.com/blog/2010/01/the-real-green-story.html$







Paint Product VOC Positioning:

Comply to SIRIM Eco-Label Standard

ECO-LABEL

VOC: 50g/L

漆料产品的VOC定位:

APEO Free / LOW VOC / **NEAR ZERO VOC**

VOC: Less Than 50g / L

VOC: < 1g/L



SETSCO



VOC: 5g / L or Less



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