AIR QUALITY SCIENCES

ADVANCED IAQ CRITERIA COMPARISON REPORT FOR ADHESIVES

MEETS 24 HOUR CRITERIA	✓	MEETS 24 HOUR CRITERIA, BUT WITHIN 25 %		EXCEEDS 24 HOUR CRITERIA	

Customer: Interface Americas, Inc.

Product Description: ADHESIVES/SEALANTS; Tactile w/7123 ADH – U.V. Cure Ink

AQS Identification: AQS 16030-010AA

Date Received at AQS: 07/15/2008

Chamber Test Periods: 07/19/2008 - 07/20/2008

Product Loading: 1 Unit/0.086 m³

Test Conditions: 1 ± 0.05 ACH
50.0%RH ± 5.0%RH
23.0°C ± 2.0°C

Environmental chamber test following ASTM D 5116 in a 0.09 ± 0.006 m^3 or 0.05 ± 0.002 m^3 chamber.
Tested and reported according to the 2005 CRI/CA-DHS agreement.
Standard Test Methodology for Determining Volatile Organic Compound Emission Factors From Carpet and Associated Materials under Defined Test Conditions Using Small Environmental Chambers. Based on EPA Carpet Policy Dialogue Method accepted September, 1991 and reviewed by CA-DHS in July 2005.
AQS Procedures CLI017, CLI020, and CLI023 for VOC Analysis, CLI032 for Target Analyte Calibration, and CLI022 for Aldehyde Analysis.

Released by Air Quality Sciences, Inc.
Date Prepared: July 29, 2008
AQS Project#: 16030
AQS Report#: 16030-01
©2008 Air Quality Sciences, Inc.

TABLE 2

ADVANCED IAQ CRITERIA COMPARISON REPORT FOR ADHESIVES

PREPARED FOR: INTERFACE AMERICAS, INC.
PRODUCT 16030-010AA, TACTILE W/7123 ADH - U.V. CURE INK

TARGET CHEMICALS; EMISSION RESULTS AT 24 HOURS

ANALYTE	CAS #	EMISSION FACTORS ($\mu g/m^2 \cdot hr$)[†]		EXCEEDS CRITERIA	MEETS CRITERIA, BUT WITHIN 25 %
		CRI CRITERIA	MEASURED		
Acetaldehyde[‡]	75-07-0	≤ 16	BQL		
Benzothiazole	95-16-9	≤ 31	2.0		
2-Ethyl-1-hexanol	104-76-7	≤ 300[c]	12		
Formaldehyde[‡]	50-00-0	≤ 50[c]	BQL		
Isooctylacrylate	29590-42-9	≤ 690	BQL		
Methyl biphenyl	28652-72-4	≤ 95	BQL		
2-Methyl-pyrrolidinone	872-50-4	≤ 300	BQL		
Naphthalene	91-20-3	≤ 8.3	BQL		
Phenol	108-95-2	≤ 185	BQL		
4-Phenylcyclohexene (4-PC)	4994-16-5	≤ 50	BQL		
Styrene	100-42-5	≤ 410	BQL		
Toluene	108-88-3	≤ 280	BQL		
Vinyl acetate	108-05-4	≤ 185	BQL		
Vinyl cyclohexene	100-40-3	≤ 85	BQL		
Xylene (m-, o-, p-)		≤ 650	BQL		
TVOC		**≤ 8,000**	**210**		

*Concentration predicted based on standard office floor usage of 11.15 m^2 in a 30.58 m^3 room less 10% for furnishings with 0.75 ACH.
BQL denotes below quantifiable level of 0.04 µg for TVOC and any individual VOC based on a standard 18 L air collection volume or 0.1 µg for formaldehyde and other aldehydes based on a standard 45 L air collection volume.
TVOC is the sum of all identified and unidentified peaks calibrated to toluene.
Target analytes calibrated to authentic standards.
[‡] Indicates compound identified and quantified by DNPH derivitization and HPLC/UV analysis.
[a] ½ of OEHHA's indoor REL or applicable 1350 requirement
[b]Prop 65 carcinogen and IARC Class 2B carcinogen
[c]Existing annual CRI Green Label Program criteria.
[d]Prop 65 reproductive toxicant. Concentration based on Maximum Allowable Dose Level for inhalation of 3,200 µg/day (http://www.oehha.ca.gov/prop65/law/pdf_zip/NMPMADL31403.pdf) and an inhalation rate of 20 m^3/day.
[e]Based on 1/10 of NIOSH REL = 10 mg/m^3
[f]Based on irritation analogy to formaldehyde, per recommendation of Mitchell Sauerhoff
[g]Based on 1/100th of TLV established by 3M, per recommendation of Mitchell Sauerhoff.
[h]Based on 1/100th of TLV established by Koch Industries, per recommendation of Mitchell Sauerhoff
[†] Assuming nine Tactiles per square meter.

Released by Air Quality Sciences, Inc.
Date Prepared: July 29, 2008
AQS Project#: 16030
AQS Report#: 16030-01
©2008 Air Quality Sciences, Inc.