

TEST REPORT

REPORT NUMBER : TURT200129090
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SAMPLE DESCRIPTION : One sample of RUBBER TILE
DATE IN : 05 October, 2020 (10:29)
RESUBMIT DATE: 07 October, 2020
DATE OUT : 01 December, 2020

TEST	Sample
(±)VOC TEST	NR

P = MEETS BUYER' S REQUIREMENT / F = DOES NOT MEET BUYER' S REQUIREMENT / NR = NO REQUIREMENT / SC=STILL CONTINUES / X=NOT PERFORMED / NA = NOT APPLICABLE/ LS : LACK OF SAMPLE

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(‡) VOC- Test conditions

The article was tested in a test chamber under the following test parameters.

Temperature: 23°C ±1°K Air

humidity: 50% ± 3% Air

exchange: 0,5

Chamber volume: 0,1 m³

Test duration: 28 days

VOC: volatile organic compounds; VVOC: very volatile organic compounds; TVOC: total VOC

Substance	CAS-Nr.	Sample	Note
Formaldehyde	50-00-0	2	EU: carcinogenic cat. 1B; mutagenic cat. 2
Acetaldehyde	75-07-0	n.d.	VVOC EU: carcinogenic cat. 1B; mutagenic cat. 2
Acroleine	110-62-3	n.d.	-
Propionaldehyde	123-38-6	n.d.	-
Salicylaldehyde	90-02-8	n.d.	-
Crotonaldehyde	4170-30-3	n.d.	EU: mutagenic cat. 2
Butyraldehyde	123-72-8	n.d.	VVOC (TRGS 900: 64000 µg/m ³)
Benzaldehyde	100-52-7	6	-
Isovaleraldehyde	590-86-3	n.d.	-
Valeraldehyde	110-62-3	n.d.	-
o-Tolylaldehyde	529-20-4	n.d.	-
m-Tolylaldehyde	620-23-5	n.d.	-
p-Tolylaldehyde	104-87-0	n.d.	-
Hexanale	66-25-1	n.d.	-
2,5-Dimethylbenzaldehyde	5779-94-2	n.d.	-
Heptanale	111-71-7	n.d.	-
Octanale	124-13-0	n.d.	-
Nonanale	124-19-6	n.d.	-
Decanale	112-31-2	n.d.	-
Sum Aldehydes		8	
Sum Aldehydes without Formaldehyde		6	
Sum Aldehydes for TVOC		6	
Sum for TVOC		61	
TVOC		67	

Test results VOC in $\mu\text{g}/\text{m}^3$

Test method: DIN ISO 16000-6 mod 2012-11* Limit of

Quantification: $1 \mu\text{g}/\text{m}^3$

n.d. = not determinable

Substance	CAS-Nr.	Sample	Note
aromatic hydrocarbons			
Benzene	71-43-2	n.d.	CMR: Carcinogenic cat. 1A; mutagenic cat. 1B
Toluene	108-88-3	n.d.	CMR: toxic for reproduction (Repro.) cat. 2
Ethylbenzene	100-41-4	n.d.	-
m/p-Xylene	108-38-3	n.d.	-
o-Xylene	95-47-6	n.d.	-
n-Propylbenzene	103-65-1	n.d.	-
Cumene	98-82-8	n.d.	-
1,3,5-Trimethylbenzene	108-67-8	n.d.	-
1,2,4-Trimethylbenzene	95-63-6	n.d.	-
1,2,3-Trimethylbenzene	526-73-8	n.d.	-
2-Ethyltoluene	611-14-3	n.d.	-
3/4-Ethyltoluene	620-14-4 / 622-96-8	n.d.	-
Styrene	100-42-5	n.d.	CMR: Repro cat. 2
a-Methylstyrene	98-83-9	n.d.	-
3-Methylstyrene	100-80-1	n.d.	-
Naphthalene	91-20-3	n.d.	CMR: Carcinogenic cat.2
1-Phenyl-1-cylohexene	771-98-2	n.d.	-
aliphatic hydrocarbons			
n-Hexane	110-54-3	n.d.	CMR: Repro cat. 2
n-Heptane	142-82-5	n.d.	-
n-Octane	111-65-9	n.d.	-
n-Nonane	111-84-2	3	-
n-Decane	124-18-5	5	-
n-Undecane	1120-21-4	n.d.	-
n-Dodecane	112-40-3	2	-
n-Tridecane	629-50-5	n.d.	-
n-Tetradecane	629-59-4	n.d.	-
n-Pentadecane	629-62-9	n.d.	-
n-Hexadecane	544-76-3	n.d.	-
2-Methylpentane	107-83-5	n.d.	VVOC
3-Methylpentane	96-14-0	n.d.	VVOC
1-Octene	111-66-0	n.d.	-
1-Decene	872-05-9	n.d.	-
trimer Isobutene	7756-94-7	3	-
Isooctane	540-84-1	n.d.	-
Glykole / Glykol-ether, -ester			
1-Methoxy-2-Propanol	107-98-2	n.d.	-

Substance	CAS-Nr.	Sample	Note
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2-Butoxyethanol	111-76-2	5	-
2-Butoxyethoxyethanol	112-34-5	1	-
2-Ethoxyethanol	110-80-5	n.d.	CMR: Repro cat. 1B
2-Methoxyethanol	109-86-4	n.d.	CMR: Repro cat. 1B
2-Phenoxyethanol	122-99-6	n.d.	-
1,2-Dimethoxyethan	110-71-4	n.d.	CMR: Repro cat. 1B
Dimethoxymethan	109-87-5	n.d.	-
Propylenglycol	57-55-6	2	-
Dipropylenglycol mono methylether + Diethylenglycol mono ethylether	34590-94-8 111-90-0	n.d.	-
2-Propoxyethanol	2807-30-9	n.d.	-
2-Methoxyethoxyethanol	109-59-1	n.d.	-
1-Methoxy-2-(2-methoxy ethoxy)ethan	111-96-6	n.d.	CMR: Repro cat. 1B
Dipropylenglykol mono methylether acetat	88917-22-0	n.d.	-
Triethylenglykol dimethylether	112-49-2	n.d.	CMR: Repro cat. 1B
Dipropylenglykol dimethylether	111109-77-4	n.d.	-
Hexylenglykol	107-41-5	n.d.	-
2-Methoxy-1-methylethylacetat	108-65-6	n.d.	-
Ester			
Vinylacetate	108-05-4	n.d.	VVOC CMR: Carcinogenic cat. 2
Ethylacetate	141-78-6	n.d.	VVOC
Isopropylacetate	108-21-4	n.d.	-
Propylacetate	109-60-4	n.d.	-
iso-Butylacetate	110-19-0	n.d.	-
n-Butylacetate	123-86-4	n.d.	-
Linalylacetate	115-95-7	n.d.	-
Methylacrylate	96-33-3	n.d.	-
Ethylacrylate	140-88-5	n.d.	-
Methylmethacrylate	80-62-6	n.d.	-
Butylformiate	592-84-7	n.d.	-
2-Methoxyethylacetate	110-49-6	n.d.	CMR: Repro. cat. 1B
2-Ethoxylethylacetate	111-15-9	n.d.	CMR: Repro. cat. 1B
2-Butoxyethylacetate	112-07-2	1	-
2-Ethylhexylacetate	103-09-3	n.d.	-
2,2,4-Trimethylpentandiol-diisobutyrate (TXIB)	6846-50-0	n.d.	-
Terpenes			
-Pinene	7785-26-4	n.d.	-
-Pinene	18172-67-3	n.d.	-
3-Carene	13466-78-9	n.d.	-
Substance	CAS-Nr.	Sample	Note
Limonene	138-86-3	20	-
a-Cedrene	469-61-4	n.d.	-

b-Caryophyllene	87-44-5	n.d.	-
Eugenol	97-53-0	n.d.	-
Longifolene	475-20-7	n.d.	-
Alcohols			
1-Propanole	71-23-8	n.d.	VVOC
2-Propanole	67-63-0	n.d.	VVOC
2-Methyl-2-propanole	75-65-0	n.d.	-
1-Butanole	71-36-3	n.d.	-
1-Pentanole	71-41-0	n.d.	-
1-Hexanole	111-27-3	n.d.	-
1-Octanole	111-87-5	n.d.	-
2-Ethyl-1-hexanole	104-76-7	1	-
1-Octen-3-ole	3391-86-4	n.d.	-
Phenol	108-95-2	n.d.	CMR: mutagenic cat. 2
Cyclohexanole	108-93-0	n.d.	-
Benzylalcohol	100-51-6	n.d.	-
2,2,4-Trimethyl-1,3-pentandiol-isobutyrate (Texanol)	25265-77-4	1	-
Aldehydes			
Furfural	98-01-1	n.d.	CMR: carcinogenic cat.2
trans-Pentenal	1576-87-0	n.d.	-
2-Ethylhexanal	123-05-7	n.d.	-
Ketone			
2-Butanone (Ethylmethylketone)	78-93-3	n.d.	-
Acetophenone	98-86-2	n.d.	-
Isophorone	78-59-1	n.d.	CMR: carcinogenic cat. 2
2-Heptanone	110-43-0	n.d.	-
3-Methyl-2-butanone	563-80-4	n.d.	-
4-Methyl-2-pentanone	108-10-1	n.d.	-
Cyclopentanone	120-92-3	n.d.	-
Cyclohexanone	108-94-1	2	-
2-Methylcyclopentanone	1120-72-5	n.d.	-
2-Methylcyclohexanone	583-60-8	n.d.	-
2-Butanonoxim	96-29-7	n.d.	CMR: carcinogenic cat. 2
4-Methyl-2-pentanon-oxim	105-44-2	n.d.	-
Cycloalkanes			
Methylcyclopentane	96-37-7	n.d.	-
Cyclohexane	110-82-7	1	-
Methylcyclohexane	108-87-2	n.d.	-
1,4-Dimethylcyclohexane	589-90-2	n.d.	-

Substance	CAS-Nr.	Sample	Note
4-Vinyl-1-cyclohexene	100-40-3	n.d.	CMR: carcinogenic cat. 2 Rf: cat. 2*

halogenated hydrocarbons			
Dichlormethane	75-09-2	n.d.	CMR: carcinogenic cat. 2
1,1,1-Trichlorethane	71-55-6	n.d.	-
Trichlorethene	79-01-6	n.d.	CMR: carcinogenic cat. 1B; mutagenic cat. 2
Tetrachlorethene	127-18-4	n.d.	CMR: carcinogenic cat. 2 R ₀ : cat. 2*
1,4-Dichlorbenzene	106-46-7	n.d.	CMR: carcinogenic cat. 2
Further substances			
1,4-Dioxane	123-91-1	n.d.	CMR: carcinogenic cat.2
1-Methyl-2-pyrrolidinone	872-50-4	n.d.	CMR: Repro. cat. 1B
2-Methylfurane	534-22-5	n.d.	-
2-Pentylfurane	3777-69-3	n.d.	-
Aniline	62-53-3	n.d.	CMR: carcinogenic cat. 2; mutagenic cat. 2
Indene	95-13-6	n.d.	-
Nitrobenzene	98-95-3	n.d.	CMR: carcinogenic cat. 2 R _f : cat. 1B
Pyridine	110-86-1	n.d.	-
Tetrahydrofurane (THF)	109-99-9	n.d.	CMR: carcinogenic cat. 2
Dimethylphthalate	131-11-3	n.d.	-
N,N-Dimethylformamide	68-12-2	4	KMR: Repro. Kat. 1B
Sum		51	
Sum VVOC		<1	
Sum VOC (-VVOC)		51	
Further in the screening determined substances			
Benzothiazole		ca 10	
Sum VOC (-VVOC) + Screening	95-16-9	61	

(‡) The test was performed by an approved subcontractor laboratory which is part of the Intertek Group.

END OF TEST REPORT