

Foshan Toning New Materials Co.,Ltd.

MSDS

TN668 Silicone Sealand

版本号: 1.1
修改日期: 2018 年 3 月 1 日

一、 Chemical and Corporate Identification		
1.1	Product Name:	Silicone Sealand
1.2	Item Number:	TN668
1.3	Classification of Chemicals:	Silicone Elastomer
1.4	Classification of Dangerous goods:	Unrestricted

二、 Composition Information		
2.1	Chemical Category:	Mixture
2.2	Physical Form:	Paste
2.3	Color:	Black, gray, white or other colors
2.4	Main Purpose:	Sealants and adhesives
2.5	Hazardous Components:	
	<u>Chemical Name</u>	<u>CAS Item</u> <u>%(w/w)</u>
	Methyltrimethoxysilane	1185-55-3 <10
	Methanol	67-56-1 <1

三、 Risk Identification		
3.1	Hazard Category:	Non-hazardous
3.2	Hazard Information:	Non-hazardous Avoid contact with skin and eyes Only use in well-ventilated places
3.3	Approach:	Skin contact, inhalation and accidental swallowing
3.4	Health Hazards:	
	<u>Acute Effects</u>	
	Eye:	Direct contact may cause slight irritation
	Skin:	There is no obvious adverse reactions in short-term exposure
	Inhale:	Slight irritation to the respiratory system, excessive inhalation may make you feel drowsy
	Ingestion:	Harmful if swallowed

<u>Chronic Effects</u>	
Skin:	Frequent contact may cause irritation
Inhale:	Long-term inhalation can be harmful. The product produces methanol. Excessive inhalation can cause blindness and harm the nervous system.
Ingestion:	The product produces methanol, which can cause blindness and even death if swallowed.
3.5 Effects and symptoms of overexposure:	Under normal use, a small amount of contact will not cause harmful effects

四、 First Aid Measures

4.1	Eye:	Rinse immediately with water for 15 minutes. If irritation persists, seek medical attention
4.2	Skin:	No emergency treatment is required.
4.3	Inhale:	Move to a place with fresh air. If symptoms persist, seek medical attention.
4.4	Ingestion:	Seek medical attention immediately.
4.5	Notes:	Similar to the handling of methanol poisoning.

五、 Fire Fighting Measures

5.1	Flammability:	Non-flammable
5.2	Flash point:	Not applicable
5.3	Ignition Temperature:	No data
5.4	Upper Explosion Limit:	No data
5.5	Lower Explosion Limit:	No data
5.6	Dangerous characteristics:	No
5.7	Extinguishing Agent:	Use dry powder, foam, or water for high fires. Use carbon dioxide, dry powder or water for small fires. You can use water to cool the container in the fire.
5.8	Special fire fighting procedures and equipment:	When extinguishing a fire involving chemicals, self-contained breathing apparatus and protective clothing should be worn.
5.9	Hazardous combustion products:	Decide whether to evacuate or isolate the area based on the current situation. Use water to cool containers affected by the fire.
5.10	Prohibited fire extinguishing agents:	Carbon monoxide, carbon dioxide and traces of incompletely burned carbides. Silica. Metal oxide. formaldehyde.
		Unknown.

六、 Leakage Emergency Treatment

6.1	Personal protection notice:	Avoid contact with skin and eyes. Keep the container tightly closed to avoid inhalation. Do not take it internally. Do not allow large amounts of discharge into the drainage system or water surface.
6.2		
6.3	Precautions for environmental protection:	Follow all personal protective equipment use recommendations listed in this material safety data sheet. Shovel, wipe or suck up into a container for recycling or disposal. Properly clean up the leakage area, because even a small amount of leakage can cause slippery hazards. Use steam, solvent or detergent for thorough cleaning. Properly dispose of absorbent or cleaning items containing spills, as they may generate self-heating. Increase area ventilation. Relevant legal regulations may apply to the leakage and release of this article, and appropriate legal regulations can be used to deal with the leakage.

七、 Handling and Storage

7.1	Operation Precautions:	When the product comes into contact with water or humid air, methanol will be released. Ventilation and exhaust equipment should be provided to control the methanol within the standard range or use respiratory protective equipment. Avoid contact with skin and eyes. Maintain good hygiene and pay attention to personal washing after handling, especially before eating, drinking or smoking. Do not take it internally. Keep the container tightly closed to avoid inhalation.
7.2	Precautions for storage:	Be careful to store away from oxidizing substances. Keep the container sealed and avoid contact with water and humid air.

八、 Exposure Control/Personal Protection

8.1	Standard:		
	<u>Component</u>	<u>CAS Number</u>	<u>Contact Limit</u>
	Methyltrimethoxysilane	1185-55-3	50ppm
	Methanol	67-56-1	200ppm
8.2	Engineering Control:		
	Ventilation Equipment	Recommended to use	
	Respiratory Protection:	Use respiratory protective equipment unless there is adequate local ventilation or an assessment has proved that the exposure is within the allowable standard range.	
	Eye Protection:	Use proper protection-at least safety glasses are required.	
	Hand Protection:	No special protection is required.	

<p>Skin Protection: Personal Hygiene Measures:</p>	<p>Wash before operation or before eating or drinking. Maintain good personal hygiene and wash after handling, especially before eating, drinking or smoking.</p>



RoHS TEST REPORT LIST

Product : ORGANIC SILICONE SEALANT

Test model : TN668

Model : TN668

Test Result : PASS

Applicant : FOSHAN TONING NEW MATERIAL CO.,LTD

Address : No.30, Qisheng Rd, Xiaohuangpu Village, Ronggui Town Shunde District, Foshan City,Guangdong,China

Manufacturer : FOSHAN TONING NEW MATERIAL CO.,LTD

Address : No.30, Qisheng Rd, Xiaohuangpu Village, Ronggui Town Shunde District, Foshan City,Guangdong,China

Report No. : RS-20160849R

Test period : August 2, 2018 –August 3, 2018

Issue Date : August 4, 2018

Test Requirement : 1. As requested by client, determination of levels of six regulated substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls, polybrominated diphenyl ethers) according to Directive 2011/65/EU —The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment— (RoHS).

Conclusion : Based on the verification results of the submitted sample(s), the results of Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls(PBBs) and Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS Directive 2011/65/EU—The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment.

Check by

Lincoln He

Lincoln He



Signed for and on behalf of FTS

Henry Wong

Henry Wong

Senior Manager

Results:

- 1) Refer to IEC 62321-3-1:2013, screening by XRF Spectroscopy.
- 2) Chemical Method: Refer to IEC62321-5:2013, determination of Lead & Cadmium by ICP/ AAS;
Refer to IEC62321-4:2013, determination of Mercury by ICP/ CV-AAS;
Refer to IEC 62321:2008, determination of Hexavalent Chromium by Spot test/ boiling water extraction (metal sample), Colorimetric Method(nonmetal);
Refer to IEC 62321:2008, determination of PBB and PBDE by GC/MS.

Test Results by XRF:

Part No.	Part Description	Results				
		Pb	Cd	Hg	Cr	Br
1	ORGANIC SILICONE SEALANT	BL	BL	BL	BL	IN

Note:

BL = Below Limit by XRF analysis

IN = Inconclusive (questionable, need further chemical analysis)

NC = Not Conducted

The specimen(s) 24 was(were) submitted on August 2,2018.

Remark: (1) Results were obtained by XRF for primary screening, and further chemical testing by ICP/AAS (for Cd, Pb, Hg), UV-VIS (for CrVI) and GC/MS (for PBBs/PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

Unit: mg/kg

Element	Non-metal	Metal	Composite Material
Cd	BL ≤ 30 < X < 120 ≤ OL	BL ≤ 30 < X < 120 ≤ OL	BL ≤ 30 < X < 120 ≤ OL
Pb	BL ≤ 100 < X < 1200 ≤ OL	BL ≤ 100 < X < 1200 ≤ OL	BL ≤ 80 < X < 1300 ≤ OL
Hg	BL ≤ 100 < X < 1200 ≤ OL	BL ≤ 100 < X < 1200 ≤ OL	BL ≤ 80 < X < 1300 ≤ OL
Br	BL ≤ 200 < X	--	BL ≤ 200 < X
Cr	BL ≤ 200 < X	BL ≤ 200 < X	BL ≤ 150 < X

BL = below limit

OL = over limit

X = Inconclusive

(2) The XRF screening test for RoHS elements - The reading may be different to the actual content in the sample be of non-uniformity composition.

(3) The maximum permissible limit is quoted from Directive EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863:

RoHS Restricted Substances	Maximum Concentration Value (by weight in homogenous materials)
Lead (Pb)	0.1%

Cadmium (Cd)	0.01%
Mercury (Hg)	0.1%
Hexavalent Chromium (Cr VI)	0.1%
Polybrominated biphenyls (PBBs)	0.1%
Polybrominated diphenylethers (PBDEs)	0.1%

Test results by Chemical method:**PBBs and PBDEs test results:**

Unit: %

Test Item	Content	MDL	RoHS Limit
Sum of PBBs	N.D.	--	0.1
Monobromobiphenyl	N.D.	0.0005	--
Dibromobiphenyl	N.D.	0.0005	
Tribromobiphenyl	N.D.	0.0005	
Tetrabromobiphenyl	N.D.	0.0005	
Pentabromobiphenyl	N.D.	0.0005	
Hexabromobiphenyl	N.D.	0.0005	
Heptabromobiphenyl	N.D.	0.0005	
Octabromobiphenyl	N.D.	0.0005	
Nonabromobiphenyl	N.D.	0.0005	
Decabromobiphenyl	N.D.	0.0005	
Sum of PBDEs	N.D.	--	0.1
Monobromodiphenyl ether	N.D.	0.0005	--
Dibromodiphenyl ether	N.D.	0.0005	
Tribromodiphenyl ether	N.D.	0.0005	
Tetrabromodiphenyl ether	N.D.	0.0005	
Pentabromodiphenyl ether	N.D.	0.0005	
Hexabromodiphenyl ether	N.D.	0.0005	
Heptabromodiphenyl ether	N.D.	0.0005	
Octabromodiphenyl ether	N.D.	0.0005	
Nonabromodiphenyl ether	N.D.	0.0005	
Decabromodiphenyl ether	N.D.	0.0005	

Note:

0.1%=1000ppm(mg/kg)

MDL=method detection limit

N.D.=not detected (less than method detection limit)

"—" Not regulated

PRODUCT PHOTOGRAPHS

Picture 1



Picture 2



-- End of test report --