


DOW CORNING(R) SJ 268 1P SSG SEALANT BLACK

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1	Product Name:	DOW CORNING(R) SJ 268 1P SSG SEALANT BLACK		
1.2	Product Code:	04042886		
1.3	Chemical Classification:	Silicone Sealant		
1.4	Recommended Product Usage and Limited Use:	Sealant and adhesive		
1.5	Company Details			
	Manufacturer/Supplier:	Dow Corning (China) Holding Company Limited		
	Address:	1077 Zhangheng Road, Zhangjiang Hi-Tech Park, Shanghai, P.R.C, Postal Code: 201203		
	Telephone Number:	400 880 7110	Fax Number:	(86 21) 50796552
	Email Address:	China.info@dowcorning.com		
	Emergency Telephone Number:	(86 512) 56732049		
1.6	First Issuing Date:	2010/01/25		

2. HAZARD IDENTIFICATION

2.1	Hazard Classification:	Serious eye damage/eye irritation: Category 2A Skin sensitization: Category 1
2.2	Label Elements Including Precautionary Statements	
	Symbol:	
	Signal Word:	Warning
	Hazard Risk Statement:	Causes serious eye irritation. May cause an allergic skin reaction.
	Precautionary Statement:	Avoid breathing dust/fume/gas/mist/vapours/spray. Wear suitable protective clothing, gloves and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. If eye irritation persists, get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Dispose of in accordance with local regulations.

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2.3 Other Hazard: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical characterization: Mixture

3.2 Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS No.</u>	<u>% (w/w)</u>
Methyl tri(ethylmethylketoxime) silane	22984-54-9	<10
Hydrotreated middle petroleum distillates	64742-46-7	<10
Aminoethylaminopropyltrimethoxysilane	1760-24-3	<1
Vinyltri (methylethylketoxime) silane	2224-33-1	<1
Methylethylketoxime	96-29-7	<1
Dimethyl tin di-neodecyl ester	68928-76-7	<1

4. FIRST AID MEASURES

4.1 First Aid Measures

Eyes: Immediately flush with water for 15 minutes. Get medical attention.
Skin: Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.
Inhalation: Remove to fresh air. Get medical attention if ill effects persist.
Oral: Get medical attention.
Comments: Treat according to person's condition and specifics of exposure.

4.2 Important Symptoms and Hazard Effects: Causes serious eye irritation. May cause an allergic skin reaction.

4.3 Personal Protection for First Aid or Rescue Personnel

Respiratory Protection: Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.
Eye Protection: Use full face respirator.
Skin Protection: Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

4.4 Note to physicians: Treat symptomatically. For further information, the medical practitioner should contact Dow Corning (China) Holding Company Limited.

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media: On large fires use dry chemical or foam. On small fires use CO2 or dry chemical. Water can be used to cool fire exposed containers.

5.2 Unsuitable Extinguishing Media: Water. Do not allow extinguishing medium to contact container contents.

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| 5.3 Specific Hazards: | None. |
| 5.4 Special Fire Fighting Procedures: | Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. |
| 5.5 Special protective equipment for the Fire Fighters: | Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. |

6. ACCIDENTAL RELEASE MEASURES

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| 6.1 Personal Precautions: | Avoid skin and eye contact. Do not breathe vapour. Do not take internally. |
| 6.2 Environmental Precautions: | Do not allow large quantities to enter drains or surface waters. |
| 6.3 Methods for Cleaning up: | Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable. |

7. HANDLING AND STORAGE

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| 7.1 Handling Precautions: | Use with adequate ventilation. Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime (MEKO) within exposure guidelines or use respiratory protection. Avoid skin and eye contact. Do not breathe vapour. Do not take internally. Remove contaminated clothing immediately. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. |
| 7.2 Storage Conditions: | Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture. |
| 7.3 Unsuitable Packaging Materials: | None established. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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| 8.1 Industrial Hygiene Standards: | |
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<u>Ingredients</u>	<u>CAS No.</u>	<u>Exposure Limits</u>
Methyl tri(ethylmethylketoxime) silane	22984-54-9	See ethyl methyl ketoxime comments.
Hydrotreated middle petroleum distillates	64742-46-7	OSHA PEL (final rule) and ACGIH TLV for oil mists: TWA 5 mg/m ³ .
Aminoethylaminopropyltrimethoxysilane	1760-24-3	See methyl alcohol comments.
Vinyltri (methylmethylketoxime) silane	2224-33-1	See ethyl methyl ketoxime comments.
Methylmethylketoxime	96-29-7	Vendor guide: TWA 3 ppm, STEL 10 ppm.
Dimethyl tin di-neodecyl ester	68928-76-7	Observe organic tin compounds limits. OSHA PEL and ACGIH TLV-skin: TWA 0.1 mg/m ³ ; ACGIH STEL 0.2 mg/m ³ .

Ethyl methyl ketoxime is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within the following exposure guidelines: Vendor guide TWA: 3 ppm, STEL: 10 ppm. Methyl alcohol forms on contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 200 ppm and ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm.

8.2 Engineering Controls

Local Ventilation: Recommended.

General Ventilation: Recommended.

8.3 Personal Protective Equipment for Routine Handling

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

Suitable Respirator: Organic Vapor Type.

Eye protection: Use proper protection - safety glasses as a minimum.

Hand protection: Chemical protective gloves should be worn.

Skin protection: Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Hygiene Measures: Remove contaminated clothing immediately. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

8.4 Personal Protective Equipment for Spills

Respiratory protection: Use self-contained breathing apparatus (SCBA) or other supplied-air respirator.

Eye protection: Use full face respirator.

Skin protection: Wash at mealtime and end of shift. If skin contact occurs, change contaminated clothing as soon as possible and thoroughly flush affected areas with cool water. Chemical protective gloves are recommended.

Precautionary Measures: Avoid skin and eye contact. Do not breathe vapour. Do not take internally. Use reasonable care.

Comments: Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime (MEKO) within exposure guidelines or use respiratory protection.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Physical Form:	Paste
9.2	Color:	Black
9.3	Odor:	Some odor
9.4	pH:	Not determined.
9.5	Melting Point:	Not determined.
9.6	Boiling point/range:	Not determined.
9.7	Flash Point:	Not applicable.
9.8	Explosive Limit:	Not determined.
9.9	Vapor Pressure @ 25°C:	Not determined.
9.10	Vapour Density (air=1):	Not determined.
9.11	Specific Gravity:	1.38 g/cm ³
9.12	Water Solubility:	Not determined.
9.13	Partition Coefficient (n-Octanol/Water):	Not determined.
9.14	Autoignition temperature:	Not determined.
9.15	Decomposition Temperature :	Not determined.
9.16	Odor Threshold:	Not determined.
9.17	Evaporation Rate:	Not determined.
9.18	Flammability (Solid, Gas):	Not applicable.

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

10. STABILITY AND REACTIVITY

10.1	Stability:	Stable.
10.2	Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
10.3	Conditions to Avoid:	None.
10.4	Materials to Avoid:	Can react with strong oxidising agents. Water, moisture or humid air can cause hazardous vapors to form.
10.5	Hazardous Decomposition Products:	Carbon oxides and traces of incompletely burned carbon compounds. Metal oxides. Silicon dioxide. Formaldehyde. Nitrogen oxides. Quartz.

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11. TOXICOLOGICAL INFORMATION

11.1 Route of Exposure: Skin contact and accidental ingestion.

11.2 Signs and Symptoms of Overexposure: Causes serious eye irritation. May cause an allergic skin reaction.

11.3 Acute Toxicity:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>LD50 (Oral)</u>	<u>LD50 (Dermal)</u>	<u>LC50 (Inhalation)</u>
Methyl tri(ethylmethylketoxime) silane	22984-54-9	> 2,520 mg/kg (Rat)	-	-
Hydrotreated middle petroleum distillates	64742-46-7	> 20,000 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	-
Aminoethylaminopropyltrimethoxy silane	1760-24-3	2,295 mg/kg (Rat)	> 2,000 mg/kg (Rabbit)	> 1.49 mg/l (Rat; 4hr dust/mist)
Vinyltri (methylethylketoxime) silane	2224-33-1	> 2,000 mg/kg (Rat)	> 2,000 mg/kg (Rat)	-
Methylethylketoxime	96-29-7	2,326 mg/kg (Rat)	< 1,800 mg/kg (Rabbit)	-
Dimethyl tin di-neodecyl ester	68928-76-7	894 mg/kg (Rat)	-	-

Eyes: Direct contact may cause severe irritation.

Skin: Repeated skin contact may cause allergic skin reaction.

Ingestion: Low ingestion hazard in normal use.

Inhalation: Irritates respiratory passages very slightly. Vapours evolved during curing may cause dizziness.

11.4 Chronic Toxicity

Skin: Repeated or prolonged contact may cause defatting and drying of skin which may result in skin irritation and dermatitis.

Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

Inhalation: Prolonged or repeated exposure by inhalation may injure internally.

11.5 Other Health Hazard Information:

During use of the material, small amounts of methylethylketoxime (MEKO) will be released. Long-term or repeated exposure to high concentrations of oxime-silanes may cause narcotic type effects on the nervous system, harmful effects on the blood (anemia) and irritate nasal passages, but these effects are reversible and not considered serious. Rodents exposed to chronic MEKO inhalation throughout their lifetimes showed significant increases in liver tumor rates.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

12. ECOLOGICAL INFORMATION

12.1 Aquatic and Terrestrial Ecotoxicity

DOW CORNING(R) SJ 268 1P SSG SEALANT BLACK**Ecotoxicity Effects:****Acute:** No adverse effects on aquatic organisms are predicted.**Chronic:** No adverse effects on aquatic organisms are predicted.**Fate and Effects in Waste Water Treatment Plants:** No adverse effects on bacteria are predicted.**12.2 Persistence and Degradability****Water:** Solid material, insoluble in water.**12.3 Bioaccumulative Potential****Bioaccumulation:** No bioaccumulation potential.**12.4 Mobility in Soil:**

This product is a solid and does not contain significant concentrations of water soluble constituents that may be leached from the product. It is therefore not likely to present a danger to terrestrial organisms.

12.5 Additional Environmental Information:

No specific information is available.

13. DISPOSAL CONSIDERATIONS**13.1 Product Disposal:** Dispose of in accordance with local regulations.**13.2 Packaging Disposal:** Dispose of in accordance with local regulations.**14. TRANSPORT INFORMATION****14.1 Road and Rail Transport**

Not applicable.

14.2 Sea Transport (IMDG)

Not subject to IMDG code.

14.3 Air Transport (IATA)

Not subject to IATA regulations.

14.4 Special Requirements and Additional Information : None.**15. REGULATORY INFORMATION****15.1 Applicable Laws:** Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace
General rule for classification and hazard communication of chemicals [GB 13690-2009]

DOW CORNING(R) SJ 268 1P SSG SEALANT BLACK**15.2 Chemical Inventories**

IECSC:	All ingredients listed or exempt.
KECL:	Not determined.
EINECS:	Not determined.
TSCA:	Not determined.
ENCS/ISHL:	Not determined.
DSL:	Not determined.
AICS:	Not determined.
PICCS:	Not determined.
HSNO:	Not determined.

16. OTHER INFORMATION

16.1 Contact Point: Technical Information Center 400 880 7110

16.2 Prepared by: Dow Corning (China) Holding Company Limited

Legend:

- No specific information available

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

(R) indicates Registered Trademark

道康宁 SJ268 硅酮结构密封胶

特性

- 满足中国 GB16776 结构性装配建筑用硅酮结构密封胶规范
- 对包括诸如镀膜玻璃，釉化玻璃，反射玻璃，阳极氧化和粉末喷涂铝型材及不锈钢型材在内的大多数基材都具有优良的粘结性能
- 单组份产品
- 固化过程无气味，亦无腐蚀
- 抗臭氧和极端温度

优点

- 固化后具有优良的耐候性能，良好的抗紫外性能，耐高低温性（也可用于极端温度）
- 较高的极限拉伸强度使其完全适用于结构性粘结应用
- 优良的机械性能
- 单组份产品，施工简便

中性固化单组份硅酮结构密封胶

应用

- 结构性装配用硅酮密封胶

典型物性

规格制定者：以下数值不可用于制订规格。制订本产品规格之前，请联系当地的道康宁销售处或道康宁全球联络处。

测试标准	测试项目	单位	数值
	供货时		
	比重	g/ml	1.43
GB13477	垂直或流淌	mm	0
GB13477	表干时间(25°C, 50%R.H.)	分钟	40 到 60
	工作时间	分钟	15
	固化 21 天后(25°C, 50%R.H.)		
GB13477	邵氏硬度, 肖 A		
CTM1028	极限延伸率	%	500
CTM1028	100%延伸时的抗张拉力	MPa	0.3
CTM1028	极限延伸时的抗张拉力	MPa	1.5
	H 形试样测试		
GB13477	拉伸强度 (23°C)	MPa	0.8
GB13477	拉伸强度 (90°C)	MPa	0.5
GB13477	拉伸强度 (-30°C)	MPa	0.9
GB13477	拉伸强度 (浸水)	MPa	0.6
GB13477	拉伸强度 (水 - 紫外)	MPa	0.6

CTM: 公司内部测试方法, 复印本可索取

GB13477: 中国国标建筑密封材料实验方法

产品说明

道康宁 SJ268 是一种单组份中性固化硅酮结构密封胶，专门为弹性结构性粘结（玻璃，金属和其它建筑元件）应用而设计。

它也可以用作粘结建筑面板的加强筋构件和其它类似的粘结应用。

采用标准

道康宁 SJ268 密封胶表现出高效的物理性能和粘结性能，经老化测试后，其基本特性也满足 GB16776 各项性能指标。

接口设计

原则上，使用道康宁 SJ268 的结构胶界面深度应为 6 毫米到 12 毫米。然而实际深度应由专业人士计算确定。而且结构胶宽计算是应考虑调节热位移和动位移，但是总的来说，胶深不应小于 6 毫米并且理想的范围是 3: 1 至 1: 1（胶宽: 胶深）。

应用方法

用于结构性装配时，道康宁 SJ268 应当在工厂打胶。在工厂打胶可以确保最佳的施工条件从而全面发挥产品的性能。工地打胶只限于修补工作或装配条件不允许的特殊情形。

装配条件

理想的装配应当在工厂完成并符合下列的温度和湿度条件：温度条件：5 度到 40 度，湿度条件：40% 到 60%RH。

表面清理

彻底清洁所有界面和装配区域，清除所有的污染物如油脂，机油，灰尘，霜或水汽。所有金属，玻璃，或其它基材表面应用不脱绒的棉布，使用溶剂用“两块抹布”的清洁方法来清洁。

使用底涂液

当使用道康宁 SJ268 时，请根据道康宁技术服务部的工程测试报告来决定是否使用底涂液。关于底涂液更多资讯请联络道康宁公司各地办事处。

衬垫材料

正确选择所有的附件（如垫块、背衬材料）在避免由不相容引起的胶变色和胶粘结性丧失有关的问题上是非常重要的。作为标准测试服务的一部分，道康宁也同样会评估所建议材料的适用性。对于大多数界面来说，开孔性聚乙烯泡沫棒是推荐的背衬材料。硅酮类垫块是常推荐的最相容的垫块。

遮蔽及修整

邻近介面的表面应遮蔽起来确保接缝线的整洁。打胶后 5 分钟之内或在胶表面结皮前完成刮胶动作，并移走遮蔽胶带。

注胶

按要求放置背衬材料，垫块和间隔条，施打道康宁 SJ268 时应以连续操作的方式使用正压力把胶注满介面。刮胶可以使胶沿背衬材料和接口表面铺开，建议用凸形的工具来刮胶使胶能够充分填满接口。

操作注意事项

产品使用前，产品安全数据表可在当地道康宁办事处取得。

注意：本资料不包括安全使用本产品所需的安全信息。使用前，请阅读产品及其产品安全数据表及包装标签，以获取有关产品的安全使用、危害身体及健康的资料。

您可从道康宁公司的网站

www.dowcorning.com.cn 上查阅产品的安全数据表，也可以从当地的道康宁销售代表或经销商处索取，或致电道康宁公司当地办事处。

技术服务

道康宁提供完善的技术服务作为客户支援的一部分，以确保结构单元的设计获得最佳性能。这些服务包括密封胶同您选择的所有构件的粘结性和相容性测试等。

储存与有效性

当贮存在 27°C 以下原包装密闭容器时，道康宁 SJ268 自生产之日起，保质期为 13 个月。

包装

道康宁 SJ268 包装采用 590 毫升的软包装。

使用限制

本产品未被测试或陈述为适用于医用或药用。

健康和环境信息

为帮助客户安全使用产品，道康宁公司在各地区设立了严格的产品服务组织，并有一组产品安全和规章制度符合（PS&RC）专家来服务客户。

有关详情，请访问我们的官方网站 www.dowcorning.com.cn，或咨询您当地的道康宁代表。

有限保证信息—请仔细阅读

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