

道康宁(上海)有限公司

物质安全资料表

中国上海松江工业开发区东区大道 448 号
电 话: (86 21) 57741161 传真: (86 21) 57741162

DOW CORNING(R) 8888 HIGH TEMPERATURE FLOWABLE SEALANT

一、化学品及企业识别

- 1.1 产品名称: DOW CORNING(R) 8888 HIGH TEMPERATURE FLOWABLE SEALANT
- 1.2 制造商的产品代码: 02793156
- 1.3 化学品分类: 硅酮密封剂
- 1.4 危险货物分类: 不适用。
- 1.5 公司介绍:
- 制造商/供应商名称: 道康宁(上海)有限公司
- 地址: 中国上海松江工业开发区东区大道 448 号
- 电话: (86 21) 57741161 传真电话: (86 21) 57741162
- 应急电话: (86 21) 57741161
- 联络人: 环境、健康和安全部经理

二、成分/组成信息

- 2.1 化学类别: 混合物
- 2.2 物理形态: 液体
- 2.3 颜色: 红色
- 2.4 主要用途: 密封剂
- 2.5 危险组分*:

化学品名称	CAS 编号	% (w/w)	符号& 健康危险术语
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甲基三(乙基甲基酮肟)硅烷	22984-54-9	<10	刺激性的。 刺激眼睛及皮肤。 通过皮肤接触可能引起敏感性。
乙烯基三(甲基乙基酮肟)硅烷	2224-33-1	<10	刺激性的。 刺激眼睛及皮肤。 通过皮肤接触可能引起敏感性。
二丁基锡双乙酸盐	1067-33-0	<1	有毒的。 腐蚀性的。 对环境会产生危害。 通过吸入、皮肤接触及如被吞下是有毒的。 引起灼烧。 对水生物体是有毒的, 并可能对水生环境造成长期的有害影响。

*依据欧洲 European Commission Directive 1999/45/EC (Article 3 [3])

三、危险性鉴别

3.1	危险性类别:	刺激性的。
3.2	危险性信息:	通过皮肤接触可能引起敏感性。 避免接触皮肤及眼睛。 配戴合适的手套。 仅可在通风良好处使用。
3.3	暴露途径:	皮肤接触 和意外吞食。
3.4	健康危害:	
	急性影响	
	眼睛:	直接接触可能引起轻微的刺激。
	皮肤:	可能引起中等程度的刺激。
	吸入:	对呼吸系统有轻微的刺激。 过分暴露气雾可能引起瞌睡感。
	食入:	正常使用时只具很低的摄入危害。
	慢性影响	
	皮肤:	反复或长时间暴露可能引起严重的刺激。 反复接触皮肤可能引起过敏性皮肤反应。
	吸入:	吸入过分暴露可能会损伤以下器官: 血液。 肝脏。

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食入: 反复摄入或吞咽大量可能造成内部伤害。

3.5 过分接触的影响和症状: 可能造成皮肤接触过敏反应。

四、急救措施

- 4.1 眼睛:** 立即用水冲洗15分钟。
4.2 皮肤: 抹去并立即用水冲洗15分钟。假如刺激、症状加重或持续应就医处理。
4.3 吸入: 移至新鲜空气处, 假如症状持续应就医处理。
4.4 食入: 就医处理。
4.5 注释: 根据患者的状况及具体的暴露处理。
4.6 对医生的提示: 对症医治。如果您想进一步地了解信息, 请与道康宁(上海)有限公司联络。

五、消防措施

- 5.1 燃烧性:** 可燃性。
5.2 闪点: > 100 °C 闭杯测试法
5.3 引燃温度: 未测定。
5.4 爆炸下限: 未测定。
5.5 爆炸上限: 未测定。
5.6 危险特性: 无。
5.7 灭火剂: 大火时使用干化学物品、泡沫或水雾。小火时使用二氧化碳、干化学物品或水雾。 可以水冷却暴露于火灾中的容器。
5.8 特殊的灭火程序和设备: 根据当地紧急计划, 决定是否需要撤离或隔离该区域。用水冷却受火灾影响的容器。扑灭涉及化学物品的大火时, 应佩戴自给式呼吸器及防护衣物。
5.9 有害的燃烧产物: 氧化氮。二氧化碳及微量的未完全燃烧的碳化物。二氧化硅。金属氧化物。 甲醛。
5.10 禁止使用的灭火剂: 未确定。

六、泄漏应急处理

- 6.1 个人防护注意事项:** 避免接触皮肤及眼睛。避免吸入气雾, 保持容器密封。不可内服。

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- 6.2 环境保护注意事项:** 用沙、土或其它合适的抑制物来防止扩散或进入下水道、排水沟或河流。
- 6.3 消除方法:** 根据当地紧急计划, 决定是否需要撤离或隔离该区域。遵守在本物质安全资料表中所列的所有个人防护设备使用建议。假如围堵的物品可以被吸起, 应将其装入合适的容器内。用适当的吸收剂清理泄漏残余物。适当清理泄漏区域, 因为有些硅酮物品即使在很少量时也会产生滑腻危害。要求使用蒸汽、溶剂或清洁剂作最终清理。适当处理浸透饱和的吸收剂或清洁物品, 因为其可能产生自热。有关法律规定可能适用于本物品的泄漏与释放, 同样也适用于用来清理泄漏的材料物品。您需要确定较合适的法律法规。

七、操作处置与储存

- 7.1 操作注意事项:** 使用充分的通风排气设备。产品暴露于水或湿空气时, 会释放出甲基乙基酮肟(MEKO)。使用时应提供通风设备, 将甲基乙基酮肟(MEKO)控制在标准范围内或使用呼吸防护设备。产品暴露于水或湿空气时, 会释放出易燃性甲醇。使用时应提供通风排气设备, 将甲醇控制在标准范围内, 或使用供气式或自给式呼吸器。避免接触皮肤及眼睛。避免吸入气雾, 保持容器密封。不可内服。尽速脱掉污染之衣物。施行良好工业卫生措施, 请于操作后进行清洗, 尤其是在饮食或抽烟之前。
- 7.2 储存注意事项:** 保持容器密封, 储存时避免水或湿气。
- 7.3 不适合的包装材料:** 未确定。

八、接触控制/个体防护

8.1 工业卫生标准:

<u>组分</u>	<u>CAS 编号</u>	<u>接触极限</u>
甲基三(乙基甲基酮肟)硅烷	22984-54-9	见乙基甲基酮肟注释。
乙烯基三(甲基乙基酮肟)硅烷	2224-33-1	见乙基甲基酮肟注释。
二丁基锡双乙酸盐	1067-33-0	遵守有机锡暴露极限。OSHA PEL and ACGIH TLV-skin: TWA 0.1 mg/m ³ ; ACGIH STEL 0.2 mg/m ³ . 并且见乙酸注释。

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当接触到水或湿空气时将形成乙酸。应提供充分的通风排气设备, 将暴露控制在 OSHA PEL: TWA 10 ppm 及 ACGIH TLV: TWA 10 ppm, STEL 15 ppm。当接触到水或湿空气时将形成甲基乙基酮肟, 应提供充分的通风排气设备, 将暴露控制在下列暴露标准范围内: Vendor 标准 TWA: 3ppm, STEL: 10ppm, AIHA WEEL TWA: 10ppm。

8.2 工程控制

局部通风设备: 建议使用。
普通通风设备: 建议使用。

8.3 常规操作的个人防护设备

呼吸系统防护: 使用呼吸防护设备, 除非有充分的局部通风排气设备或空气样品资料显示暴露程度在其建议的标准范围内。“工业卫生部门”可协助判断现有的机械控制设备是否适当。

使用适当的呼吸器: 有机气雾型。

眼睛防护: 使用适当的防护—安全眼镜是最起码要求。

手防护: 异丁烯橡胶手套。橡胶手套。氯丁橡胶手套。腈橡胶手套。

皮肤防护: 进餐及下班时清洗。一旦接触到皮肤, 应尽快除去受到沾染的衣物, 并用水冲洗受到影响的皮肤部位。建议佩戴化学防护手套。

个人卫生措施: 尽速脱掉污染之衣物。施行良好工业卫生措施, 请于操作后进行清洗, 尤其是在饮食或抽烟之前。

8.4 泄漏的个人防护设备

呼吸系统防护: 使用自给式呼吸器(SCBA)或其它供气式呼吸器。

眼睛防护: 使用全面罩型呼吸器。

皮肤防护: 进餐及下班时清洗。一旦接触到皮肤, 应尽快除去受到沾染的衣物, 并用水冲洗受到影响的皮肤部位。建议佩戴化学防护手套。

预防措施: 避免接触皮肤及眼睛。避免吸入气雾, 保持容器密封。不可内服。采取适度的防护。

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注释:

产品暴露于水或湿空气时, 会释放出甲基乙基酮肟(MEKO)。使用时应提供通风设备, 将甲基乙基酮肟(MEKO)控制在标准范围内或使用呼吸防护设备。

产品暴露于水或湿空气时, 会释放出易燃性甲醇。使用时应提供通风排气设备, 将甲醇控制在标准范围内, 或使用供气式或自给式呼吸器。

在空气中加热至150度C以上时, 此产品能形成甲醛气雾。甲醛是一种潜在的致癌性物质, 已知的皮肤和呼吸道敏化物和眼睛, 鼻子, 喉咙和皮肤和消化系统刺激物。保持甲醛浓度处于OSHA容许的暴露极限内从而达到并维持安全的操作条件。

备注: 这些操作注意事项都是基于常温常规操作。如果在高温使用或以气溶胶状态被使用时, 需遵守其他的注意事项。关于气溶胶吸入性毒性的进一步相关信息, 请参阅美国硅酮工业协会(SEHSC)所制定关于硅酮制品于气溶胶用途的使用指导方针, 或请和道康宁客户服务部门联络。

九、理化性质

9.1	物理形态:	液体
9.2	颜色:	红色
9.3	气味:	非常轻微的气味
9.4	pH 值:	未测定。
9.5	溶解性:	未测定。
9.6	沸点:	> 35C/95F
9.7	熔点:	未测定。
9.8	闪点:	> 100 °C 闭杯测试法
9.9	引燃温度:	未测定。
9.10	爆炸性:	否
9.11	氧化性:	否
9.12	蒸气压(25°C):	未测定。
9.13	比重:	1.06
9.14	辛醇/水分配系数:	未测定。
9.15	相对蒸气压(空气=1):	未测定。
9.16	粘度:	6,700 cP
9.17	分子量:	未测定。

以上资料仅供参考, 如果要准备产品资料, 请与道康宁公司联络。

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十、稳定性和反应性

- 10.1 稳定性:** 稳定的。
- 10.2 反应性**
- 避免接触的条件:** 无。
- 禁配物:** 可与强氧化剂发生反应。水、湿气或湿空气可引起危害性气雾的形成。
- 分解产物:** 氧化氮。二氧化碳及微量的未完全燃烧的碳化物。二氧化硅。金属氧化物。甲醛。
- 聚合危害:** 不会产生危害的聚合反应。

十一、毒理学资料

- 11.1 健康危害:** 参阅章节 3.4。
- 11.2 致敏性:**
- | % (w/w) | 组分 |
|---------|----------------|
| <10 | 乙烯基三(甲基乙基酮肟)硅烷 |
| <10 | 甲基三(乙基甲基酮肟)硅烷 |
- 11.3 致突变性:** 未知。
- 11.4 致生殖遗传性:** 未知。
- 11.5 致癌性:** 未知。
- 11.6 其它健康危害信息:** 接触到水或湿空气时, 将形成甲基乙基酮肟。雄性啮齿动物在其生命周期内暴露甲基乙基酮肟气雾, 会引起肝脏癌症。甲基乙基酮肟的供应商计划进行进一步的测试, 以确定其对人类的任何关联, 在进一步的资料被发现前, 暴露应维持在可达到的最低线。

以上所列举的潜在的危害是建立对产品或类似产品的组分研究所得数据或专家对产品的评审的基础上。

十二、生态学资料

- 12.1 环境影响及其分布:**
- 通过沉积或粘合至污水淤泥, 将硅氧烷从水中分离出来。硅氧烷在土壤中退化降解。
- 12.2 环境影响:**

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对水生有机体无有害影响。

生物累积性: 无生物累积能力。

12.3 对废水处理厂的影响:

通过与污水淤泥粘合, 可被去除 90% 以上。对细菌无有害影响。本产品中的硅氧烷不是BOD的一部分。

12.4 进一步的环境补充资料:

降解性: 可根据要求提供额外的有关硅氧烷化合物的环境资料。

十三、废弃处置

13.1 产品废弃物处置方法: 按照当地法规进行废弃处理。

13.2 包装废弃物处置方法: 按照当地法规进行废弃处理。

十四、运输信息

14.1 公路和铁路运输:

不适用。

14.2 海运 (IMDG):

不属 IMDG 编码。

14.3 空运 (IATA):

不属 IATA 规定。

十五、法规信息

15.1 适用法规:

工作场所安全使用化学品规定[(1996)劳部发423号], 针对化学危险品的安全使用、生产、储存、运输、装卸等方面均作了相应规定。

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15.2 化学品库存:

AICS:	所有组成份均列出或予以免除。
DSL:	本物品中的所有化学成分都被列入DSL化学物质目录或获得DSL化学物质目录的豁免。
EINECS:	所有组成份均列出或予以免除。
IECSC:	所有组成份均列出或予以免除。
KECL:	所有成份均被列出、予以免除或公告。
MITI:	所有组成份均列入 ENCS 或它的免除规定中。
PICCS:	所有组成份均列出或予以免除。
TSCA:	本物品中的所有化学成分都被列入TSCA化学物质目录或获得TSCA化学物质目录的豁免。

十六、其他信息

联络处: 技术服务工程师 (86 21) 57741161
制作者: 道康宁(上海)有限公司

这个资料不是产品说明书, 而是为了提供有代表性价值的概念。这里没有担保、表白或暗示。推荐的工业卫生和安全处理程序相信已基本适用。然而, 每位用户应于使用前审阅此产品预定使用方式的建议并决定是否适用。

(R) 意指注册商标

Dow Corning (Shanghai) Co. Ltd.
Material Safety Data Sheet448 Eastern Ave., Songjiang, Shanghai 201613, China
Telephone: (86 21) 57741161 Fax: (86 21) 57741162**DOW CORNING(R) 8888 HIGH TEMPERATURE FLOWABLE SEALANT****1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**

- 1.1 Product Name:** DOW CORNING(R) 8888 HIGH TEMPERATURE FLOWABLE SEALANT
- 1.2 Manufacturer's Product Code:** 02793156
- 1.3 Chemical Classification:** Silicone Sealant
- 1.4 Dangerous Goods Classification:** Not applicable.
- 1.5 Company Details:**
- Manufacturer/Supplier:** Dow Corning (Shanghai) Co. Ltd.
Address: 448 Eastern Ave., Songjiang, Shanghai 201613, China
Telephone Number: (86 21) 57741161 **Fax Number:** (86 21) 57741162
Emergency Telephone Number: (86 21) 57741161
Contact Person: Environment, Health and Safety Manager

2. COMPOSITION / INFORMATION ON INGREDIENTS

- 2.1 Chemical characterization:** Mixture
- 2.2 Physical Form:** Liquid
- 2.3 Color:** Red
- 2.4 Use:** Sealant
- 2.5 Hazardous Ingredients*:**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>% (w/w)</u>	<u>Symbols & Health Risk Phrases</u>
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Methyl tri(ethylmethylketoxime) silane	22984-54-9	<10	Irritant. Irritating to eyes and skin. May cause sensitization by skin contact.
Vinyltri (methylethylketoxime) silane	2224-33-1	<10	Irritant. Irritating to eyes and skin. May cause sensitization by skin contact.
Dibutyltin diacetate	1067-33-0	<1	Toxic. Corrosive. Dangerous for the environment. Toxic by inhalation, in contact with skin and if swallowed. Causes burns. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*According to European Commission Directive 1999/45/EC (Article 3 [3])

3. HAZARDS IDENTIFICATION

3.1 Overall Hazard Classification:	Irritant.
3.2 Hazard Information:	May cause sensitization by skin contact. Avoid contact with skin and eyes. Wear suitable gloves. Use only in well-ventilated areas.
3.3 Route of Exposure:	Skin Contact and Accidental Ingestion.
3.4 Possible Health Effects:	
<u>Acute</u>	
Eyes:	Direct contact may cause mild irritation.
Skin:	May cause moderate irritation.
Inhalation:	Irritates respiratory passages very slightly. Vapor overexposure may cause drowsiness.
Ingestion:	Low ingestion hazard in normal use.
<u>Chronic</u>	
Skin:	Repeated or prolonged exposure may irritate seriously. Repeated skin contact may cause allergic skin reaction.
Inhalation:	Overexposure by inhalation may injure the following organ(s): Blood. Liver.
Ingestion:	Repeated ingestion or swallowing large amounts may injure internally.

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3.5	Signs and Symptoms of Overexposure:	May cause allergic reaction to skin after skin contact.
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4. FIRST AID MEASURES

4.1	Eyes:	Immediately flush with water for 15 minutes.
4.2	Skin:	Remove from skin and immediately flush with water for 15 minutes. Get medical attention if irritation or ill effects develop or persist.
4.3	Inhalation:	Remove to fresh air. Get medical attention if ill effects persist.
4.4	Ingestion:	Get medical attention.
4.5	Comments:	Treat according to person's condition and specifics of exposure.
4.6	Note to physicians:	Treat symptomatically. For further information, the medical practitioner should contact Dow Corning (Shanghai) Co. Ltd.

5. FIRE FIGHTING MEASURES

5.1	Flammability:	Combustible.
5.2	Flash Point:	> 100 °C (Closed Cup)
5.3	Autoignition temperature:	Not determined.
5.4	Lower Flammability Limit:	Not determined.
5.5	Upper Flammability Limit:	Not determined.
5.6	Hazardous Properties:	None.
5.7	Extinguishing Media:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO ₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
5.8	Special Fire Fighting Procedures and Equipment:	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.
5.9	Hazardous Combustion Products:	Nitrogen oxides. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Metal oxides. Formaldehyde.
5.10	Unsuitable Extinguishing Media:	None established.

6. ACCIDENTAL RELEASE MEASURES

6.1	Personal Precautions:	Avoid skin and eye contact. Avoid breathing vapor. Keep container closed. Do not take internally.
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6.2 Environmental Precautions:	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
6.3 Methods for Cleaning up:	Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent 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

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. Product evolves flammable methyl alcohol when exposed to water or humid air. Provide ventilation during use to control methyl alcohol exposures within exposure guidelines or use air-supplied or self-contained breathing apparatus. Avoid skin and eye contact. Avoid breathing vapor. Keep container closed. 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:	Keep container closed and store away from water or moisture.
7.3 Unsuitable Packaging Materials:	None established.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Industrial Hygiene Standards:**

<u>Ingredients</u>	<u>CAS No.</u>	<u>Exposure Limits</u>
Methyl tri(ethylmethylketoxime) silane	22984-54-9	See ethyl methyl ketoxime comments.

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(methylethylketoxime) silane

2224-33-1

See ethyl methyl ketoxime comments.

Dibutyltin diacetate

1067-33-0

Observe tin (organic compounds) limits. OSHA PEL
and ACGIH TLV-skin: TWA 0.1 mg/m³; ACGIH STEL
0.2 mg/m³. Also see acetic acid comments.

Acetic acid is formed upon contact with water or humid air. Provide adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm. 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; AIHA WEEL TWA: 10 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 air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene 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:** Butyl Rubber. Natural Rubber. Neoprene Rubber(R). Nitrile Rubber.**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.

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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. Avoid breathing vapor. Keep container closed. Do not take internally. Use reasonable care.
Comments:	<p>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.</p> <p>Product evolves flammable methyl alcohol when exposed to water or humid air. Provide ventilation during use to control methyl alcohol exposures within exposure guidelines or use air-supplied or self-contained breathing apparatus.</p> <p>When heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the occupational exposure Limit for formaldehyde.</p>
Note:	These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry (SEHSC) or contact the Dow Corning customer service group.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Form:	Liquid
9.2 Color:	Red
9.3 Odor:	Some odor
9.4 pH:	Not determined.
9.5 Solubility in Water:	Not determined.
9.6 Boiling Point:	> 35C/95F
9.7 Melting Point:	Not determined.
9.8 Flash Point:	> 100 °C (Closed Cup)
9.9 Autoignition temperature:	Not determined.
9.10 Explosive properties:	No
9.11 Oxidizing properties:	No
9.12 Vapor Pressure @ 25°C:	Not determined.
9.13 Specific Gravity:	1.06
9.14 Octanol/water partition coefficient:	Not determined.

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9.15	Vapour Density (air=1):	Not determined.
9.16	Viscosity:	6,700 cP
9.17	Molecular Weight:	Not determined.

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	Reactivity	
	Conditions to Avoid:	None.
	Materials to Avoid:	Can react with strong oxidising agents. Water, moisture or humid air can cause hazardous vapors to form.
	Hazardous Decomposition Products:	Nitrogen oxides. Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Metal oxides. Formaldehyde.
	Hazardous Polymerization :	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

11.1	Possible Health Effects:	Refer to Section 3.4
11.2	Sensitizing Effects:	
	<u>% (w/w)</u>	<u>Ingredients</u>
	<10	Vinyltri (methylethylketoxime) silane
	<10	Methyl tri(ethylmethylketoxime) silane
11.3	Mutagenic Effects:	None known.
11.4	Reproductive Effects:	None known.
11.5	Carcinogenic Effects:	None known.
11.6	Other Health Hazard Information:	Methyl Ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver cancer. Additional testing is planned by the MEKO supplier to determine any relevance to humans. Until more data is known, exposure levels should be maintained as low as achievable.

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.

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Telephone: (86 21) 57741161 Fax: (86 21) 57741162**DOW CORNING(R) 8888 HIGH TEMPERATURE FLOWABLE SEALANT****12. ECOLOGICAL INFORMATION****12.1 Environmental Fate and Distribution:**

Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

12.2 Environmental Effects:

No adverse effects on aquatic organisms.

Bioaccumulation: No bioaccumulation potential.

12.3 Fate and Effects in Waste Water Treatment Plants:

Removed > 90% by binding onto sewage sludge. No adverse effects on bacteria. The siloxanes in this product do not contribute to the BOD.

12.4 Additional Environmental Information:

Degradation: Additional environmental information on the silicone component is available on request.

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.

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Provisions of the Regulations for the Safe Handling of Chemicals in the Workplace, particularly those relating to the safe use, production, storage and transportation of dangerous chemicals.

15.2 Chemical Inventories:

AICS:	All ingredients listed or exempt.
DSL:	All chemical substances in this material are included on or exempted from the DSL.
EINECS:	All ingredients listed or exempt.
IECSC:	All ingredients listed or exempt.
KECL:	All ingredients listed, exempt or notified.
MITI:	All components are listed on ENCS or its exempt rule.
PICCS:	All ingredients listed or exempt.
TSCA:	All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

16. OTHER INFORMATION

Contact Point:	Technical Services Engineer (86 21) 57741161
Prepared by:	Dow Corning (Shanghai) Co. Ltd.

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8888高温流动性密封胶

基本用途

电熨斗金属底板的密封

概述

道康宁8888高温流动性密封胶是一种单组分、中性固化，可流动的密封胶。室温下与空气中的水分固化成坚韧的橡胶状固体。

组成

- 单组分硅橡胶

固化

- 中性固化，室温下与空气中的水分固化

特性

- 即用型密封胶
- 连续使用温度：-65~250℃
间隙使用温度：300℃
- 优异的流动性与润湿性能

物理形态

- 液体

应用

专用于电熨斗金属底板的密封胶，也适用于其他需使用流动性、耐热的单组分密封胶的应用领域。

典型物性

测试方法	项目	性能
使用前		
	颜色	红色
	流动性(30g密封胶)，mm	125
	粘度，25℃，mPa·s	7500
固化前 - 25℃，相对湿度50%		
	结皮时间，min	10
	表干性时间，min	18
固化后 -25℃，相对湿度50%，7天		
	硬度，邵氏A	25
	拉伸强度，MPa	1.2
	扯断伸长率，%，	190
	无底涂粘着性（最底层）	良好

如何使用

- 1、密封表面彻底清洗与去脂。
- 2、使用密封胶时,加工操作过程在5~15分钟内完成。
- 3、固化时由表及里,固化速度随相对湿度，温度，空气流动量的升高而加快。

使用限制

本产品不适用于医学或制药应用方面。

操作注意事项

使用前，与就近的道康宁分销商联系，获得产品的安全数据资料。

注：使用前，阅读产品说明书，材料安全数据资料，容器标签的安全使用说明，其他身体或健康危害资料。

贮存与贮存期限

贮存温度不高于25℃时，未开封产品的贮存期限为自制造之日起7个月。

包装

道康宁8888高温流动性密封胶为20kg（净重）装。

卫生与环境资料

道康宁拥有一支专门的毒物学小组与环境与管理事务专家组。道康宁的环境与管理事务（HERA）部指导公司及客户在产品的安全生产、销售、操作与使用方面给予技术支持。如需要道康宁特殊产品的详细资料，请与最近的道康宁销售部门联系。

用者需知

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新加坡地址：新加坡大坡广场汤申路101号32-01室，邮编：307591	电话：（65）2536611	传真：（65）2536070

Dow Corning[®] 8888 High Temperature Flowable Sealant

FEATURES & BENEFITS

- One-component adhesive/sealant
- Cures at room temperature when exposed to moisture in the air
- Flowable and self-leveling
- Easy to apply
- Good/excellent unprimed adhesion to most common substrates
- Resistant/outstanding resistance to ozone, UV, moisture and temperature extremes
- May be used in applications with continuous exposure to 250°C and intermittent exposure to 300°C

One-part, flowable, self-priming, non-corrosive, neutral cure, high heat resistance silicone sealant/adhesive

APPLICATIONS

The high temperature properties of *Dow Corning*[®] 8888 High Temperature Flowable Sealant make it ideally suited for:

- Sealing/coating microwave oven window
- Sealing/coating industrial ovens and boilers
- Sealing and encapsulating heating elements in appliances
- Other critical bonding, sealing, potting, encapsulating, and protective coatings where parts must perform at high temperatures

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

CTM*	Property	Unit	Value
	Available Colors		Red
	<As supplied>		
0050	Viscosity	mPa*s	14000
0036	Skin over time	min	15
0095	Tack-free time	min	20
	<As cured 7days at 25°C/50%RH>		
0022	Density	g/cm ³	1.06
0099	Durometer hardness, Shore A	-	25
0137A	Tensile strength	MPa	1.5
0137A	Elongation at break	%	250

*CTMs (Corporate Test Methods) correspond to standard ASTM tests in most instances.

HOW TO USE

Substrate preparation

All surfaces must be clean and dry, degrease and wash off any contaminants that could impair adhesion. Suitable solvents include isopropyl alcohol, acetone or methyl ethyl ketone.

A primer may be needed for optimum adhesion to some substrates based on testing conducted by the end user.

Information on *Dow Corning*[®] brand primers is available on request from Dow Corning.

HANDLING PRECAUTIONS
PRODUCT SAFETY
INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA

SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEBSITE AT DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

Product should be stored at or below 32°C (90°F) in original, unopened containers. The most up-to-date shelf life information can be found on the XIAMETER® website in the Product Detail page under Sales Specification.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Dow Corning® 8888 High Temperature Flowable Sealant is not recommended:

- Do not use for structural glazing.
- Not recommended for continuous water immersion applications.
- Not recommended for use with marble and similar highly porous stone finishes where sealant may affect their appearance.
- Sealant may discolor copper and brass.
- Not recommended for expansion joints where high movement is expected.
- Not recommended for use in below-ground joints or trafficable joints where abrasion and physical abuse are encountered.
- Not recommended for use in the construction or sealing of aquariums.
- Cannot be painted, as paint will not adhere to sealant.
- Not recommended for use on polycarbonate plastic sheeting, suitability for use on other types

of plastic should be tested prior to application.

- Not for use on freshly painted surfaces (enamel or solvent containing types).
- Should not be applied to materials that bleed plasticizers or solvents or release by-products that may inhibit cure, affect adhesion or discolor the sealant (e.g. bituminous-based adhesives and coatings).
- Do not clean or treat the sealant with materials, solvents or cleaning agents that may affect or discolor the sealant, particularly during sealant cure.
- Do not apply at temperatures below 4°C or when substrate surface temperatures exceed 50°C.
- Should not be used as an interior penetration fire stop sealing system.
- Should not be applied to surfaces in direct contact with food or drinking water. This sealant has not been tested to determine status under U.S. Food and Drug Administration regulations.
- Not recommended for direct contact on the reflective coatings on mirrors.
- Polyester powder coat paint exhibits a highly variable wax content on the surface. Ensure thorough solvent cleaning.
- Sealant cures by contact with moisture vapor in the air. Not recommended for use in closed or confined areas where sealant cure may be inhibited by lack of air.
- Do not use in the manufacture of insulated glass (IG) units.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, dowcorning.com or consult

your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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