

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) 737 NEUTRAL CURE SEALANT - CLEAR

一、化学品及企业识别

1.1	产品名称:	DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR
1.2	制造商的产品代码:	04001443
1.3	化学品分类:	硅酮弹性体
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、健康和安全管理部

二、成分/组成信息

2.1	化学类别:	混合物
2.2	物理形态:	糊状物
2.3	颜色:	无色
2.4	主要用途:	密封剂和胶粘剂
2.5	危险组分*:	

化学品名称	CAS 编号	% (w/w)	符号& 健康危险术语
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。
二(乙基甲基酮肟)甲氧基甲基硅烷	83817-72-5	<10	有害的。 刺激性的。 如被吞下是有害的。 刺激眼睛。 通过皮肤接触可能引起敏感性。

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

三、危险性鉴别

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- | | | |
|-----|--------------------|---|
| 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。 |
| | 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: | 不燃。 |
| 5.2 | 闪点: | 不适用。 |

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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:	二氧化碳及微量的未完全燃烧的碳化物。二氧化硅。氧化氮。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。
6.2	环境保护注意事项:	不允许大量地进入排水系统或水面。
6.3	消除方法:	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。抹去或铲起并装入容器内, 以便回收利用或废弃。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。
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- 7.2 **储存注意事项:** 需谨慎小心, 远离氧化性物料储存。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:

组分	CAS 编号	接触极限
甲基三(乙基甲基酮肟)硅烷	22984-54-9	见乙基甲基酮肟注释。
二(乙基甲基酮肟)甲氧基甲基硅烷	83817-72-5	见甲醇和乙基甲基酮肟注释。

当接触到水或湿空气时将形成甲醇。应提供充分的通风排气设备, 将暴露控制在 OSHA PEL: TWA 200 ppm 及 ACGIH TLV-skin: TWA 200 ppm, STEL 250 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。

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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。

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。

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。

九、理化性质

9.1	物理形态:	糊状物
9.2	颜色:	无色
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:	未测定。
9.7	熔点:	未测定。
9.8	闪点:	不适用。
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:	1.04
9.14	辛醇/水分配系数:	未测定。

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DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR

- 9.15 相对蒸气压 (空气=1): 未测定。
9.16 粘度: 未测定。
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。

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: 二氧化碳及微量的未完全燃烧的碳化物。二氧化硅。氧化氮。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:
- | <u>% (w/w)</u> | <u>组分</u> |
|----------------|------------------|
| <10 | 甲基三(乙基甲基酮肟)硅烷 |
| <10 | 二(乙基甲基酮肟)甲氧基甲基硅烷 |
- 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。

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十二、生态学资料

12.1 环境影响及其分布:

固体物品, 不能溶解于水中。不能预示的有害影响。

12.2 环境影响:

不能预示对水生有机体的有害影响。

生物积累性: 无生物累积能力。

12.3 对废水处理厂的影响:

不能预示对细菌的有害影响。

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:

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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。

15.2 化学品库存:

KECL:	一个或数个以上成份均不被列出、或予以免除或确认。
MITI:	请洽商当地道康宁公司。
IECSC:	所有组成份均列出或予以免除。
DSL:	请洽商当地道康宁公司。
AICS:	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。
PICCS:	所有组成份均列出或予以免除。
EINECS:	未测定。

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 Silicone Trading (Shanghai) Co., Ltd.
Material Safety Data Sheet**Page No.: 1/8
Version No. 1.3
Revision Date: 17.10.2006**DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR****1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**

1.1 Product Name:	DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR
1.2 Manufacturer's Product Code:	04001443
1.3 Chemical Classification:	Silicone elastomer
1.4 Dangerous Goods Classification:	Not applicable.
1.5 Company Details:	
Manufacturer/Supplier:	Dow Corning Silicone Trading (Shanghai) Co., Ltd.
Address:	No.268, De Lin Road, WaiGaoQiao Free Trade Zone, Shanghai 200131, China
Telephone Number:	(86 21)37747110 ext 1133
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:	Paste
2.3 Color:	Colorless
2.4 Use:	Sealant and adhesive
2.5 Hazardous Ingredients*:	

<u>Chemical Name</u>	<u>CAS No.</u>	<u>% (w/w)</u>	<u>Symbols & Health Risk Phrases</u>
Methyl tri(ethylmethylketoxime) silane	22984-54-9	<10	Irritant. Irritating to eyes and skin. May cause sensitization by skin contact.
Di (ethylmethylketoxime) methoxymethyl silane	83817-72-5	<10	Harmful. Irritant. Harmful if swallowed. Irritating to eyes. May cause sensitization by skin contact.
Dibutyltin dilaurate	77-58-7	<1	Harmful. Dangerous for the environment. Harmful by inhalation, in contact with skin and if swallowed. 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

**Dow Corning Silicone Trading (Shanghai) Co., Ltd.
Material Safety Data Sheet****DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR**

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

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 Silicone Trading (Shanghai) Co., Ltd.

5. FIRE FIGHTING MEASURES

5.1 Flammability:	Non-flammable.
5.2 Flash Point:	Not applicable.
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.

**Dow Corning Silicone Trading (Shanghai) Co., Ltd.
Material Safety Data Sheet**Page No.: 3/8
Version No. 1.3
Revision Date: 17.10.2006**DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR**

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:	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Nitrogen oxides. 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.
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

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:	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

Dow Corning Silicone Trading (Shanghai) Co., Ltd. Material Safety Data Sheet

DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR

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.
Di (ethylmethylketoxime) methoxymethyl silane	83817-72-5	See methyl alcohol and ethyl methyl ketoxime comments.
Dibutyltin dilaurate	77-58-7	China: TWA 0.1 mg/m ³ . STEL 0.2 mg/m ³ . SKIN_DES Can be absorbed through the skin.. 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; AIHA WEEL TWA: 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: 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.

**Dow Corning Silicone Trading (Shanghai) Co., Ltd.
Material Safety Data Sheet**Page No.: 5/8
Version No. 1.3
Revision Date: 17.10.2006**DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR**

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. Avoid breathing vapor. Keep container closed. 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. 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.
Note:	These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Form:	Paste
9.2 Color:	Colorless
9.3 Odor:	Some odor
9.4 pH:	Not determined.
9.5 Solubility in Water:	Not determined.
9.6 Boiling Point:	Not determined.
9.7 Melting Point:	Not determined.
9.8 Flash Point:	Not applicable.
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:	1.04
9.14 Octanol/water partition coefficient:	Not determined.
9.15 Vapour Density (air=1):	Not determined.
9.16 Viscosity:	Not determined.
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	

**Dow Corning Silicone Trading (Shanghai) Co., Ltd.
Material Safety Data Sheet**

DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR

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:	Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Nitrogen oxides. 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	Methyl tri(ethylmethylketoxime) silane
<10	Di (ethylmethylketoxime) methoxymethyl 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.

12. ECOLOGICAL INFORMATION

12.1 Environmental Fate and Distribution:	Solid material, insoluble in water. No adverse effects are predicted.
12.2 Environmental Effects:	No adverse effects on aquatic organisms are predicted.
Bioaccumulation:	No bioaccumulation potential.
12.3 Fate and Effects in Waste Water Treatment Plants:	No adverse effects on bacteria are predicted.

Dow Corning Silicone Trading (Shanghai) Co., Ltd.
Material Safety Data Sheet

Page No.: 7/8
Version No. 1.3
Revision Date: 17.10.2006

DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR

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.

15. REGULATORY INFORMATION

- 15.1 Applicable Laws:**
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. |
| IECSC: | All ingredients listed or exempt. |
| 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. |
| DSL: | Consult your local Dow Corning office. |
| EINECS: | Not determined. |
| MITI: | Consult your local Dow Corning office. |
| KECL: | One or more ingredients are not listed or exempt or identified. |

16. OTHER INFORMATION

Contact Point: Technical Information Center (86 21)37747110 ext 1133
Prepared by: Dow Corning Silicone Trading (Shanghai) Co., Ltd.

Dow Corning Silicone Trading (Shanghai) Co., Ltd.
Material Safety Data Sheet

Page No.: 8/8
Version No. 1.3
Revision Date: 17.10.2006

DOW CORNING(R) 737 NEUTRAL CURE SEALANT - CLEAR

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

Dow Corning® 737 中性密封胶

类型

单组份硅酮橡胶

固化

室温下暴露于有水汽的空气中固化。

特性

无底涂粘附性优良，快速固化；无酸的副产品。

主要用途

在 OEM 及装配中接合及密封；可用作就地成型垫片；电子组件接合及密封；维修保养中的应用。

描述

Dow Corning® 737 中性密封胶是一种单组份、多用途的产品。无需底涂的吸附于众多材料及在含水汽空气中固化成坚韧具弹性硅酮橡胶。

Dow Corning® 737 中性密封胶具有以下重要特性：

- 优良的无底涂吸附性能，可用于众多塑料、金属、漆层、玻璃及橡胶表面。
- 不会与金属或塑料反应或腐蚀金属与塑料。
- 快速固化：3-6 分钟结皮，10 分钟表干。
- 暴露于潮湿的空气中 24 小时后固化
- 不会坍塌、松垂或离位
- 工作温度范围宽（-65 ~ 177 °C），可短期工作在 204 °C 下。

- 对众多材料是自动底涂的。
- 100% 的硅酮橡胶。
- UL QMFZ 2 94HB 认可。

使用

Dow Corning® 737 中性密封胶设计为多向 OEM 及装配应用，特殊使用包括：

- 在大小应用中作为机械紧固件
- 密封冷冻机及冷冻套管
- 涂膜塑料压模，对塑料材料的整理应用，印花。
- 使电子元件防水
- 密封同轴线接插件
- 保护精密仪器的装配

特性

产品性能

颜色	黑色、透明、白色
CTM 1 0062 流动、松垂或坍塌	无
CTM 0097 比重	1.04
挤出率 (1/8"喷嘴, 90psi), g/min	440

25°C, 50%相对湿度下固化后的物理性能

CTM 0098 结皮时间, 分	3-6
CTM 0095 表干时间, 分	10

25°C, 50%相对湿度下固化 7 天后的物理特性

CTM 0099 肖氏硬度, 点	35
CTM 0137A 张力强度, psi	260
CTM 0137A 伸长率, %, pli	430
CTM 0293 典型吸附, 剥离强度, PPI (最小)	20

25°C, 50%相对湿度下固化 7 天后的电性能

CTM 0112 绝缘常数	
100Hz	2.27
100kHz	2.6
CTM 0112	
100Hz	0.020
100kHz	<0.001
CTM 0114 绝缘强度, V/Mil	397
CTM 0313 电阻系数, ohm-cm	1.4 × 10 ⁴

不推荐用于:

- 连续浸入水中的
- 遇到过多腐蚀及滥用的场合
- 在材料上有油、增塑剂及溶剂渗出; 材料如浸透的木头, 有油的缝隙及某些绿色及部分硫硬化橡胶垫圈和绝缘带
- 密封剂不在潮湿的大气而在完全密封的地方
- 在将要涂漆的表面, 该漆膜不会与密封剂张延, 会产生脆化与撕裂

在密封下的固化条件

Dow Corning® 737 中性密封胶可以:

- 使青铜、铜及其他敏感金属脱色
- 应力断裂聚碳酸酯

Dow Corning® 737 中性密封胶不作医学上的使用。

怎样使用

表面准备

所有表面必须完全清洁及干燥。所有金属及玻璃表面必须用溶剂擦洗, 并用无油布擦干。

底漆

对于众多的玻璃、铝、钢及其它普通材料无需底层的。在一般使用前必须进行材料的测试。

密封胶的使用

Dow Corning® 737 中性密封胶必须连续的提供, 如果需用, 可以用工具进行密封胶的扩展, 在密封胶使用后表皮形成前立即使用工具处理。

未固化的密封胶可通过工具进行整理, 不可针入的表面可以用一种溶剂来进行处理, 可渗透表面可以用多的密封胶进行固化。

贮存及寿命

当贮存在 32℃ 或以下时, Dow Corning® 737 中性密封胶寿命为 24 个月 (从装运之日起)。在

不使用时就保证容器紧紧密封, 避免与潮湿的空气接触。

航运限制

无。

包装

90 ml 牙膏装
300 ml 罐装
17 L 桶装

安全使用事项

这里不包括产品安全事项资料单。在应用之前, 注意阅读产品资料、安全事项资料单及包装上的标签以便安全使用。可从道康宁的各个分销点获得。

质量保证书 —— 请仔细阅读

阅读

我们保证这里所述的产品的性能、使用的信息都是准确的, 但是您在使用前还是应该对其性能、安全使用等方面进行测试。应用的建议不能视为在任何状态下都合适。

除非道康宁公司提供一份适合某种特定需要的书面证明, 否则道康宁公司只保证产品销售说明书所列规范而不保证其它用途。道康宁公司唯一的责任在于产品达不到所列要求时给予退款或换货, 道康宁公司明确表示不承担意外事故的

Product Information

DOW CORNING

Silicone Sealants

Dow Corning[®] 737 Neutral Cure Sealant

FEATURES

- Primerless adhesion to many materials
- Oxime cure; cures at room temperature upon exposure to moisture in the air
- Adhesion to many plastics, metals, painted surfaces, glass and rubbers
- Does not react with or corrode most metals or plastics (see Limitations)
- Fast cure – 3 to 6 minutes skin-over time; 14 minute tack-free time
- Cures to a handling condition in 24 hours on exposure to moisture in the air
- Will not slump, sag or run off surfaces
- Broad temperature range performance; cured material stays flexible from -85 to 350°F (-65 to 177°C)
- 100 percent silicone rubber

COMPOSITION

- One-part silicone rubber supplied as nonslumping paste

Multipurpose, one-part sealant for application in a wide range of industrial assembly and installation operations

USES

Dow Corning[®] 737 Neutral Cure Sealant is designed for diverse OEM and assembly applications. General uses include bonding and sealing, formed-in-place gasketing and maintenance applications. Specific uses include:

- Substitute for mechanical fasteners on large and small appliances
- Sealing refrigerator and freezer liners (however, not FDA-approved for food-contact applications)
- Adhering plastic moldings to plastic substrates for trim applications, decals
- Waterproofing electrical components
- Sealing coaxial connectors
- Protecting instrumentation assemblies

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Method	Test	Unit	Result
As Supplied			
	Color		Translucent, white, black
CTM ¹ 0062	Flow, Sag or Slump	inches	Nil
CTM 0097	Specific Gravity		1.04
CTM 0364	Extrusion Rate (¹ / ₈ " orifice, 90 psi)	grams/minute	395
Cure Characteristics – Exposed to Air at 77°F (25°C) and 50 percent RH			
CTM 0098	Skin-Over Time	minutes	3-6
CTM 0095	Tack-Free Time, at 77°F (25°C) and 50 percent RH	minutes	14
Physical Properties – As Cured 7 days at 77°F (25°C) and 50 percent RH			
CTM 0099	Durometer Hardness, Shore A	points	33
CTM 0137A	Tensile Strength	psi	>175
CTM 0137A	Elongation	percent	>300
CTM 0293	Typical Adhesion, Peel Strength ²	ppi	20

¹CTMs (Corporate Test Methods) correspond to standard ASTM tests in most instances.

²Laboratory tests and market tests have demonstrated adhesion to many substrates, including acrylonitrile butadiene styrene, anodized aluminum, brass, carbon steel, copper, galvanized steel, glass, neoprene, phenolic G-10, silicone rubber, stainless steel and wrought iron.

Specification Writers: Please obtain a copy of the Dow Corning Sales Specification for this product and use it as a basis for your specifications. It may be obtained from any Dow Corning Sales Office, or from Dow Corning Customer Service in Midland, MI. Call (517) 496-6000.

DESCRIPTION

Dow Corning 737 Neutral Cure Sealant adheres without priming to a variety of materials and cures to a durable, flexible silicone rubber upon exposure to water vapor in the air.

LIMITATIONS

Dow Corning 737 Neutral Cure Sealant is not recommended:

- For continuous water immersion
- In applications where excessive abrasion and physical abuse are encountered
- On materials that bleed oils, plasticizers or solvents; materials such as impregnated wood, oil-based caulks, and certain green or partially vulcanized rubber gaskets and tapes
- In totally confined spaces where the sealant is not exposed to atmospheric moisture
- On surfaces that will be painted; the paint film will not stretch with the extension of the sealant and may crack and peel

In confined cure conditions, *Dow Corning* 737 Neutral Cure Sealant may:

- Discolor brass, copper or other sensitive metals
- Stress craze polycarbonate

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

LISTINGS/SPECIFICATIONS

- UL QMFZ2 94HB

HOW TO USE

Surface Preparation

All surfaces must be clean and dry. Metal and glass surfaces should be cleaned by wiping with a solvent such as *Dow Corning*[®] OS Fluids and an oil-free rag.¹

Priming

Priming is not required for most glass, aluminum, steel and other common substrates. A test placement prior to general use is always recommended. Consult Dow Corning Corporation for information regarding application on other substrates.

Applying the Sealant

Dow Corning 737 Neutral Cure Sealant should be applied in a continuous operation. If needed, tool the sealant with light pressure to spread it against the substrate. Tool immediately after sealant application and before a skin forms.

Uncured sealant may be cleaned from tools and nonporous surfaces using *Dow Corning* OS Fluids or commercial solvents.¹ On porous surfaces, allow excess sealant to cure and then remove by abrasion or other mechanical means.

STORAGE AND SHELF LIFE

When stored at or below 90°F (32°C), *Dow Corning* 737 Neutral Cure Sealant has a shelf life of 24 months from date of manufacture. Refer to product packaging for "Use By" date. Keep container tightly closed to avoid contact with moisture.

SHIPPING LIMITATIONS

None.

PACKAGING

Dow Corning 737 Neutral Cure Sealant is supplied in 3-fl oz (90-mL) tubes, 10.1-fl oz (300-mL) plastic cartridges and 4.5-gal (17-L) pails.

SAFE HANDLING INFORMATION

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. 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 FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY WRITING TO DOW CORNING CUSTOMER SERVICES, OR BY CALLING (517) 496-6000.

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 Dow Corning's products are safe, effective, and fully satisfactory for the intended end use.

Dow Corning's sole warranty is that the product will meet the Dow Corning 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. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

¹Follow solvent manufacturer's recommended safe handling procedures and applicable federal, state and local regulations.