DOW CORNING

道康宁有机硅贸易（上海）有限公司

物质安全资料表

DOW CORNING(R) 737 中性密封胶 ,黑色

一、化学品及企业识别

1.1	**产品名称:**	DOW CORNING(R) 737 中性密封胶 ,黑色
1.2	**制造商的产品代码:**	04001479
1.3	**化学品分类:**	硅酮弹性体
1.4	**危险货物分类:**	不受限制。
1.5	**公司介绍:**	

制造商/供应商名称: 道康宁有机硅贸易（上海）有限公司
地址: 中国上海浦东外高桥保税区德林路268号 邮编 200131
电话: (86 21)37747110 **传真电话:** (86 21) 57741162
应急电话: (86 21) 37741000
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:**	糊状物
2.3	**颜色:**	黑色
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。
二月桂酸二丁基锡	77-58-7	<1	有毒的。 刺激性的。 对环境会产生危害。 如被吞下是有害的。 刺激眼睛。 有毒的 :如被吞下而长时间暴露可造成严重损害健康的危险。 可能损害繁殖力。 可能对未出生的婴儿造成伤害。 无法复原的影响的可能危险。 对水生物体是非常有毒的 ,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。
	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，请与道康宁有机硅贸易（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。
5.3	**引燃温度:**	无数据.
5.4	**爆炸下限:**	无数据.

5.5	**爆炸上限:**	无数据.
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的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，以使回收利用或废弃。 适当清理泄漏区域，因为即使少量泄露物也会产生滑腻危害。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 储存提示: 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。
二月桂酸二丁基锡	77-58-7	中国: TWA 0.1 mg/m3. STEL 0.2 mg/m3. 可能会经由皮肤吸收。. 参考有机锡化合物极限. OSHA PEL and ACGIH TLV-skin: TWA 0.1 mg/m3; ACGIH STEL 0.2 mg/m3.

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暴露评估证明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。

DOW CORNING(R) 737 中性密封胶 ,黑色

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:**	黑色
9.3	**气味:**	非常轻微的气味
9.4	**pH 值:**	无数据.
9.5	**溶解性:**	无数据.
9.6	**沸点:**	无数据.
9.7	**熔点:**	无数据.
9.8	**闪点:**	不适用。
9.9	**引燃温度:**	无数据.
9.10	**爆炸性:**	否
9.11	**氧化性:**	否
9.12	**蒸气压(25℃):**	无数据.
9.13	**比重:**	1.04
9.14	**辛醇/水分配系数:**	无数据.
9.15	**相对蒸气压 (空气=1):**	无数据.
9.16	**粘度:**	无数据.
9.17	**分子量:**	未评估。

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:

% (w/w)	组分
<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:

% (w/w)	组分
<1	二月桂酸二丁基锡

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。

DOW CORNING(R) 737 中性密封胶 ,黑色

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:

不受限制。

14.2 海运 (IMDG):

不属 IMDG 编码。

14.3 空运 (IATA):

不属 IATA 规定。

DOW CORNING(R) 737 中性密封胶 ,黑色

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。

15.2 化学品库存:

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。
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。
EINECS:	未评估。

十六、其他信息

联络处:	技术信息中心 (86 21)37747110
制作者:	道康宁有机硅贸易（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。

DOW CORNING

DOW CORNING CORPORATION
Material Safety Data Sheet

Version: 3.0
Revision Date: 2011/09/01

DOW CORNING(R) 737 NEUTRAL CURE SEALANT - BLACK

1. PRODUCT AND COMPANY IDENTIFICATION

Dow Corning Corporation
South Saginaw Road
Midland, Michigan 48686

24 Hour Emergency Telephone: (989) 496-5900
Customer Service: (989) 496-6000
Product Disposal Information: (989) 496-6315
CHEMTREC: (800) 424-9300

MSDS No.: 04001479
Revision Date: 2011/09/01

Generic Description: Silicone elastomer
Physical Form: Paste
Color: Black
Odor: Some odor

NFPA Profile: Health 2 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Acute Effects

Eye: Direct contact may cause moderate irritation.

Skin: May cause mild irritation.

Inhalation: No significant effects expected from a single short-term exposure.

Oral: Overexposure by ingestion may cause drowsiness, dizziness, confusion or loss of coordination.

Prolonged/Repeated Exposure Effects

Skin: Repeated skin contact may cause allergic skin reaction.

Inhalation: No known applicable information.

Oral: Overexposure by ingestion may injure the following organ(s): Blood.

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number	Wt %	Component Name
22984-54-9	3.0 - 7.0	Methyl tri(ethylmethylketoxime) silane

The above components are hazardous as defined in 29 CFR 1910.1200.

4. FIRST AID MEASURES

Eye: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 - 20 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.

Skin: As quickly as possible remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately flush with lukewarm gently flowing water for 15 minutes. Completely decontaminate clothing, shoes and leather goods before reuse or discard. If irritation persists, obtain medical advice.

Inhalation: If symptoms are experienced remove source of contamination or move victim to fresh air. If irritation persists, obtain medical advice.

Oral: Never give anything by mouth if victim is rapidly losing consciousness or convulsing. DO NOT INDUCE VOMITING. Have victim drink 2 to 8 oz. (60 to 240 mL) of water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth with water again. Immediately obtain medical attention.

Notes to Physician: Treat according to person's condition and specifics of exposure.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable.

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.

Fire Fighting Measures:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Unusual Fire Hazards:	None.

6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up:	Observe all personal protection equipment recommendations described in Sections 5 and 8. 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. Local, state and federal 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 federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills. Call (989) 496-5900, if additional information is required.

7. HANDLING AND STORAGE

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 eye contact. Avoid skin contact. Do not take internally.

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture. This material in its finely divided form presents an explosion hazard. Follow NFPA 654 (for chemical dusts) or 484 (for metal dusts) as appropriate for managing dust hazards to minimize secondary explosion potential.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

CAS Number	Component Name	Exposure Limits
22984-54-9	Methyl tri(ethylmethylketoxime) silane	See ethyl methyl ketoxime comments.

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.

Engineering Controls

Local Ventilation:	None should be needed.
General Ventilation:	Recommended.

Personal Protective Equipment for Routine Handling

Eyes:	Use proper protection - safety glasses as a minimum.
Skin:	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.
Suitable Gloves:	Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.
Inhalation:	No respiratory protection should be needed.
Suitable Respirator:	None should be needed.

Personal Protective Equipment for Spills

Eyes:	Use proper protection - safety glasses as a minimum.
Skin:	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.
Inhalation/Suitable Respirator:	No respiratory protection should be needed.
Precautionary Measures:	Avoid eye contact. Avoid skin contact. 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Paste
Color:	Black
Odor:	Some odor
Specific Gravity @ 25°C:	1.04
Viscosity:	Not determined.

Freezing/Melting Point:	Not determined.
Boiling Point:	Not determined.
Vapor Pressure @ 25°C:	Not determined.
Vapor Density:	Not determined.
Solubility in Water:	Not determined.
pH:	Not determined.
Volatile Content:	Not determined.
Flash Point:	Not applicable.
Autoignition Temperature:	Not determined.
Flammability Limits in Air:	Not determined.

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

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Hazardous Polymerization:	Hazardous polymerization will not occur.
Conditions to Avoid:	None.
Materials to Avoid:	Oxidizing material can cause a reaction. Water, moisture, or humid air can cause hazardous vapors to form as described in Section 8.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde. Nitrogen oxides. Metal oxides.

11. TOXICOLOGICAL INFORMATION

Component Toxicology 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.

Special Hazard Information on Components

Sensitizers

CAS Number	Wt %	Component Name

22984-54-9	3.0 - 7.0	Methyl tri(ethylmethylketoxime) silane	Possible skin sensitizer.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution

Complete information is not yet available.

Environmental Effects

Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants

Complete information is not yet available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	<=1	>1 and <=100	>100
Acute Terrestrial Toxicity	<=100	>100 and <= 2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

13. DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No

State or local laws may impose additional regulatory requirements regarding disposal. Call (989) 496-6315, if additional information is required.

14. TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

Call Dow Corning Transportation, (989) 496-8577, if additional information is required.

15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances (40 CFR 355):
None.

Section 304 CERCLA Hazardous Substances (40 CFR 302):
None.

Section 311/312 Hazard Class (40 CFR 370):

Acute:	Yes
Chronic:	Yes
Fire:	No
Pressure:	No
Reactive:	No

Section 313 Toxic Chemicals (40 CFR 372):
None present or none present in regulated quantities.

Note: Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

Supplemental State Compliance Information

California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

Massachusetts

CAS Number	Wt %	Component Name
7631-86-9	7.0 - 13.0	Silica, amorphous

New Jersey

CAS Number	Wt %	Component Name
70131-67-8	70.0 - 90.0	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0 - 13.0	Silica, amorphous
22984-54-9	3.0 - 7.0	Methyl tri(ethylmethylketoxime) silane
63148-62-9	1.0 - 5.0	Polydimethylsiloxane
1333-86-4	<0.1	Carbon black

Pennsylvania

CAS Number	Wt %	Component Name
70131-67-8	70.0 - 90.0	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0 - 13.0	Silica, amorphous
22984-54-9	3.0 - 7.0	Methyl tri(ethylmethylketoxime) silane

16. OTHER INFORMATION

Prepared by: Dow Corning Corporation

These data are offered in good faith as typical values and not as product specifications. No warranty, either 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℃），可短期工作在 204℃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℃，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℃，50%相对湿度下固化 7 天后的物理特性	
CTM 0099 肖式硬度,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℃，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

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

Silicone Sealants

DOW CORNING

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

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

[2]Laboratory 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.

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

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